12/14/87 A8810-1

RMA Industry Report

CONFIDENTIAL

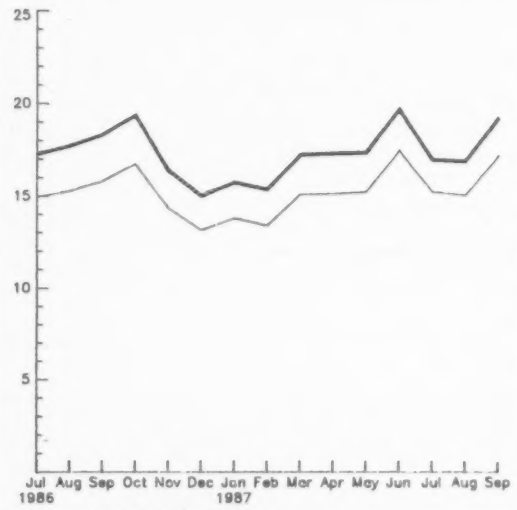
RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

MONTHLY TIRE REPORT

September 1987

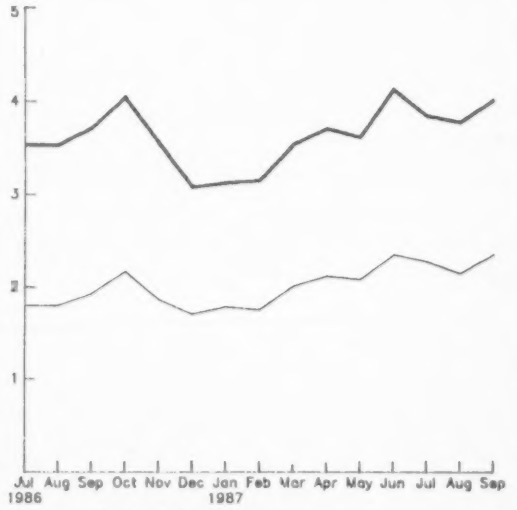
This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies so that the figures presented will represent 100% of the domestic U.S. tire market.

PASSENGER TIRE SHIPMENTS



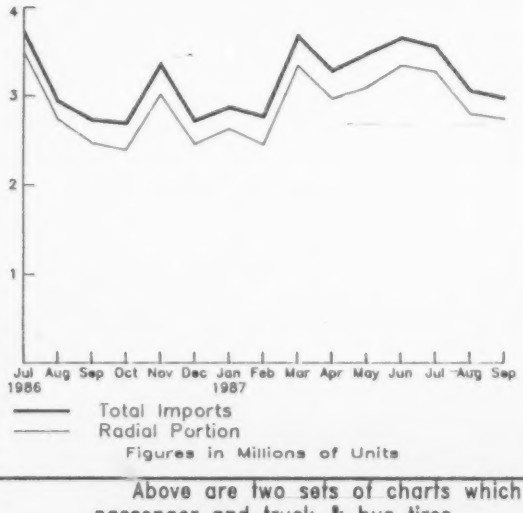
Figures in Millions of Units

TRUCK & BUS TIRE SHIPMENTS



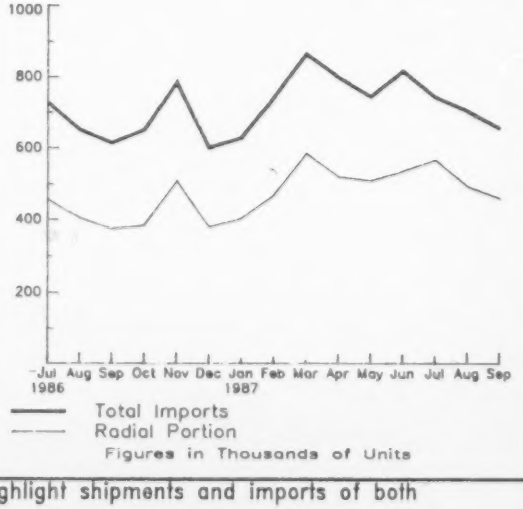
Figures in Millions of Units

PASSENGER TIRE IMPORTS



Figures in Millions of Units

TRUCK & BUS TIRE IMPORTS



Figures in Thousands of Units

Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for fifteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. September 1987 total shipments are up +4.9% from September 1986 for passenger tires, and up +8.0% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1986, passenger tire imports increased 101.1%, and truck and bus tire imports grew by 104.8%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: December 02, 1987

	September 1987	September 1986	% CHANGE	YTD 1987	YTD 1986	% CHANGE
PASSENGER TIRES						
Shipments						
Original Equipment	4,328	4,766	-9.19	39,930	41,395	-3.54
Radial	3,698	4,050	-8.69	33,886	34,818	-2.67
Replacement	14,338	13,145	+9.08	111,581	107,643	+3.66
Radial	13,018	11,440	+13.79	99,876	92,766	+7.66
Export	541	403	+34.24	4,244	2,933	+44.70
Radial	477	329	+44.98	3,703	2,247	+64.80
Total	19,207	18,314	+4.88	155,755	151,971	+2.49
Radial	17,193	15,819	+8.69	137,467	129,831	+5.88
Production	14,017	13,929	+0.63	124,624	118,797	+4.91
Radial	12,497	11,774	+6.14	109,402	100,394	+8.97
Ending Inventory	29,217	27,837	+4.96	-	-	-
Radial	26,164	24,331	+7.53	-	-	-
TRUCK & BUS TIRES						
Shipments						
Original Equipment	641	593	+8.09	5,906	5,236	+12.80
Radial	444	400	+11.00	4,102	3,486	+17.67
Replacement	3,178	2,997	+6.04	25,515	23,797	+7.22
Radial	1,767	1,463	+20.78	13,712	11,341	+20.91
Export	190	121	+57.02	1,475	989	+49.14
Radial	141	165	-14.55	1,048	696	+50.57
Total	4,009	3,711	+8.03	32,896	30,022	+9.57
Radial	2,352	2,028	+15.98	18,862	15,523	+21.51
Production	3,187	2,611	+22.06	26,514	22,985	+15.35
Radial	1,826	1,334	+36.88	15,028	11,181	+34.41
Ending Inventory	7,017	7,053	-0.51	-	-	-
Radial	4,437	3,919	+13.22	-	-	-
MOBILE HOME						
Shipments						
Original Equipment	72	54	+33.33	548	488	+12.30
Replacement	7	2	+250.00	84	54	+55.56
Export	-	-	-	-	-	-
Total	79	56	+41.07	632	542	+16.61
Production	67	51	+31.37	543	451	+20.40
Ending Inventory	53	111	-52.25	-	-	-
TRACTOR IMPLEMENT						
Shipments						
Original Equipment	57	39	+46.15	440	395	+11.39
Replacement	247	197	+25.38	2,075	1,861	+11.50
Export	19	13	+46.15	162	129	+25.58
Total	323	249	+29.72	2,677	2,385	+12.24
Production	264	230	+14.78	2,256	2,047	+10.21
Ending Inventory	509	636	-19.97	-	-	-
INDUSTRIAL & UTILITY						
Shipments						
Original Equipment	611	386	+58.29	5,653	3,827	+47.71
Replacement	164	138	+18.84	1,603	3,700	-56.68
Export	25	19	+31.58	191	155	+23.23
Total	800	543	+47.33	7,447	7,682	-3.06
Production	809	584	+38.53	6,689	5,553	+20.46
Ending Inventory	1,499	2,248	-33.32	-	-	-
INNER TUBES*						
Total Shipments						
Passenger & Motorcycle	600	683	-12.15	4,433	5,711	-22.38
Truck & Bus	1,364	1,439	-5.21	10,730	11,580	-7.34
Tractor-Implement	295	261	+13.03	2,091	1,921	+8.85
Industrial & Utility	172	178	-3.37	1,502	1,513	-0.73

* Inner Tube figures are for shipments only, not production.

In order to avoid possible double counting, export figures are as reported to RMA and will vary from data in government reports. This report is available from RMA at a $500.00 subscription rate. Year-end reports are available at $500.00 each. Figures may not add due to rounding. For further detail on tire and tube exports, refer to the RMA 501 report.

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES			
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025	77
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes	
1986													
January	2,332	225	125	50	275	177	177	3	46	424	233	327	
February	2,251	155	96	57	247	171	180	2	82	292	175	449	
March	2,296	213	109	78	298	157	165	4	64	372	218	360	
April	2,371	178	113	86	231	107	118	5	47	255	172	308	
May	2,650	179	110	68	270	130	252	2	42	244	204	313	
June	2,798	198	110	66	303	117	180	3	42	468	203	336	
July	3,506	236	119	112	337	161	156	4	91	361	261	395	
August	2,734	205	89	76	315	170	104	4	74	344	177	290	
September	2,462	260	84	106	289	134	86	4	46	310	148	243	
CUMULATIVE	23,400	1,849	955	700	2,565	1,324	1,416	30	533	3,070	1,791	3,021	
October	2,382	303	89	101	295	166	146	4	51	383	130	235	
November	3,015	342	105	81	404	195	160	5	83	343	180	396	
December	2,449	265	65	65	314	155	116	2	85	281	143	210	
ANNUAL	31,246	2,759	1,213	946	3,578	1,840	1,838	40	752	4,077	2,244	3,862	
1987													
January	2,625	247	106	56	298	168	187	2	28	301	140	328	
February	2,440	320	146	121	323	152	169	6	35	416	137	413	
March	3,345	334	161	107	424	173	166	2	43	292	155	441	
April	2,961	318	167	112	352	167	143	3	50	285	136	422	
May	3,095	385	169	76	339	159	160	6	52	364	169	388	
June	3,345	317	141	89	395	192	168	3	81	253	153	407	
July	3,266	290	134	53	433	123	105	2	49	255	157	439	
August	2,793	265	105	64	387	148	124	2	87	545	144	415	
September	2,734	236	100	50	358	146	84	2	71	284	93	455	
CUMULATIVE	26,604	2,713	1,229	728	3,308	1,428	1,306	31	496	2,994	1,284	3,707	
October													
November													
December													
% Change Month	-2.1	-10.9	-4.8	-21.9	-7.5	-1.4	-32.3	.0	-18.4	-47.9	-35.4	9.6	
% Change Month 87 vs. 86	11.0	-9.2	19.0	-52.8	23.9	9.0	-2.3	-50.0	54.3	-8.4	-37.2	87.2	
% Change Cumulative	13.7	46.7	28.7	4.0	29.0	7.9	-7.8	3.3	-6.9	-2.5	-28.3	22.7	

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the RMA Tire Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission of their monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those developed by the Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenger service tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from factory to site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, cane and rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, baggage, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tractors. This category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by the U.S. government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the exception of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data is listed by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign countries into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
Lee Tire & Rubber Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

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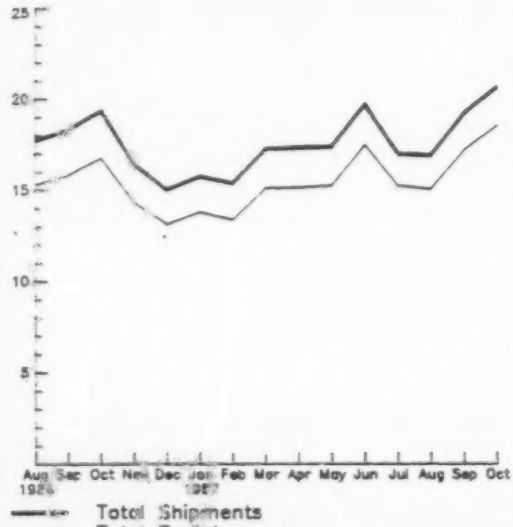
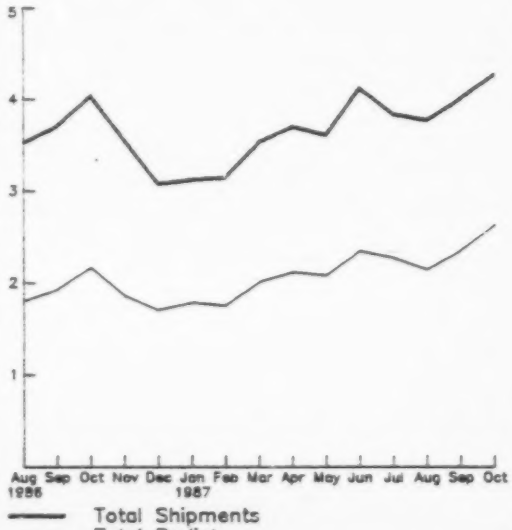


Figures in Millions of Units

TRUCK & BUS TIRE SHIPMENTS



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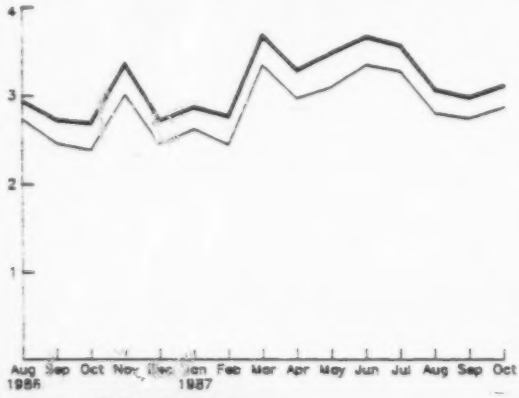
PASSENGER TIRE IMPORTS



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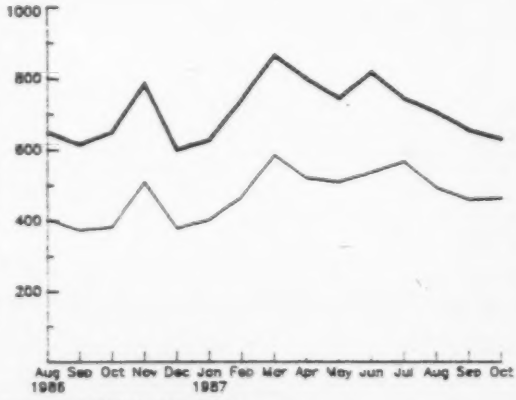

Figures in Thousands of Units

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The shipment charts show monthly volumes for total shipments and radial shipments for fifteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. October 1987 total shipments are up +7.0% from October 1986 for passenger tires, and up +6.2% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1986, passenger tire imports increased 101.1%, and truck and bus tire imports grew by 104.8%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: December 30, 1987

PASSENGER TIRES	October 1987	October 1986	% CHANGE	YTD 1987	YTD 1986	% CHANGE
Shipments						
Original Equipment	5,038	5,098	-1.18	44,968	46,493	-3.28
Radial	4,267	4,301	-0.79	38,155	39,119	-2.46
Replacement	15,044	13,802	+9.00	126,625	121,445	+4.27
Radial	13,771	12,086	+13.94	113,647	104,852	+8.39
Export	570	409	+39.36	4,814	3,342	+44.05
Radial	502	320	+56.88	4,205	2,567	+63.81
Total	20,652	19,309	+6.96	176,407	171,280	+2.99
Radial	18,540	16,707	+10.97	156,007	146,538	+6.46
Production	15,605	15,231	+2.46	140,229	134,028	+4.63
Radial	14,008	13,030	+7.51	123,410	113,424	+8.80
Ending Inventory	27,665	27,292	+1.37	-	-	-
Radial	24,882	23,873	+4.23	-	-	-
TRUCK & BUS TIRES						
Shipments						
Original Equipment	740	597	+23.95	6,646	5,833	+13.94
Radial	521	426	+22.30	4,623	3,912	+18.17
Replacement	3,322	3,318	+0.12	28,837	27,115	+6.35
Radial	1,956	1,669	+17.20	15,668	13,010	+20.43
Export	211	109	+93.58	1,686	1,098	+53.55
Radial	152	60	+153.33	1,200	656	+82.93
Total	4,273	4,024	+6.19	37,169	34,046	+9.17
Radial	2,629	2,155	+22.00	21,491	17,578	+22.26
Production	3,351	2,949	+13.63	29,865	25,934	+15.16
Radial	1,897	1,518	+24.97	16,925	12,698	+33.29
Ending Inventory	6,874	6,838	+0.53	-	-	-
Radial	4,270	3,871	+10.31	-	-	-
MOBILE HOME						
Shipments						
Original Equipment	77	51	+50.98	625	539	+15.96
Replacement	7	1	+600.00	91	55	+65.45
Export	-	-	-	-	-	-
Total	84	52	+61.54	716	594	+20.54
Production	83	26	+219.23	626	477	+31.24
Ending Inventory	87	85	+2.35	-	-	-
TRACTOR IMPLEMENT						
Shipments						
Original Equipment	58	47	+23.40	498	442	+12.67
Replacement	211	201	+4.98	2,286	2,062	+10.86
Export	18	16	+12.50	180	145	+24.14
Total	287	264	+8.71	2,964	2,649	+11.89
Production	296	253	+17.00	2,552	2,300	+10.96
Ending Inventory	553	603	-8.29	-	-	-
INDUSTRIAL & UTILITY						
Shipments						
Original Equipment	553	537	+2.98	6,206	4,364	+42.21
Replacement	240	144	+66.67	1,843	3,844	-52.06
Export	18	20	-10.00	209	175	+19.43
Total	811	701	+15.69	8,258	8,383	-1.49
Production	952	754	+26.26	7,641	6,307	+21.15
Ending Inventory	1,609	2,267	-29.03	-	-	-
INNER TUBES*						
Total Shipments						
Passenger & Motorcycle	589	711	-17.16	5,022	6,422	-21.80
Truck & Bus	1,380	1,549	-10.91	12,110	13,129	-7.76
Tractor-Implement	238	241	-1.24	2,329	2,162	+7.72
Industrial & Utility	165	191	-13.61	1,667	1,704	-2.17

*. Inner Tube figures are for shipments only, not production.

In order to avoid possible double counting, export figures are as reported to RMA and will vary from data in government reports. This report is available from RMA at a $500.00 subscription rate. Year-end reports are available at $500.00 each. Figures may not add due to rounding. For further detail on tire and tube exports, refer to the RMA 501 report.

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES			
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025	77
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes	
1986													
January	2,332	225	125	50	275	177	177	3	46	424	233	327	
February	2,251	155	96	57	247	171	180	2	82	292	175	449	
March	2,296	213	109	78	298	157	165	4	64	372	218	360	
April	2,371	178	113	86	231	107	118	5	47	255	172	308	
May	2,650	179	110	68	270	130	252	2	42	244	204	313	
June	2,798	198	110	66	303	117	180	3	42	468	203	336	
July	3,506	236	119	112	337	161	156	4	91	361	261	395	
August	2,734	205	89	76	315	170	104	4	74	344	177	290	
September	2,462	260	84	106	289	134	86	4	46	310	148	243	
October	2,382	303	89	101	295	166	146	4	51	383	130	235	
CUMULATIVE	25,782	2,152	1,044	801	2,860	1,491	1,562	34	584	3,452	1,921	3,256	
November	3,015	342	105	81	404	195	160	5	83	343	180	396	
December	2,449	265	65	65	314	155	116	2	85	281	143	210	
ANNUAL	31,246	2,759	1,213	946	3,578	1,840	1,838	40	752	4,077	2,244	3,862	
1987													
January	2,625	247	106	56	298	168	187	2	28	301	140	328	
February	2,440	320	146	121	323	152	169	6	35	416	137	413	
March	3,345	334	161	107	424	173	166	2	43	292	155	441	
April	2,961	318	167	112	352	167	143	3	50	285	136	422	
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June	3,345	317	141	89	395	192	168	3	81	253	153	407	
July	3,266	290	134	53	433	123	105	2	49	255	157	439	
August	2,793	265	105	64	387	148	124	2	87	545	144	415	
September	2,734	236	100	50	358	146	84	2	71	284	93	455	
October	2,866	243	117	41	346	125	120	3	51	461	122	406	
CUMULATIVE	29,471	2,956	1,346	770	3,654	1,553	1,426	33	547	3,455	1,406	4,113	
November													
December													
% Change Month	4.8	3.0	17.0	-18.0	-3.4	-14.4	42.9	50.0	-28.2	62.3	31.2	-10.8	
% Change Month 87 vs. 86	20.3	-19.8	31.5	-59.4	17.3	-24.7	-17.8	-25.0	.0	20.4	-6.2	72.8	
% Change Cumulative	14.3	37.4	28.9	-3.9	27.8	4.2	-8.7	-2.9	-6.3	.1	-26.8	26.3	

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the RMA Tire Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission of their monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those developed by the Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenger service tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from factory to site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, cane and rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, baggage, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tractors. This category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by the U.S. government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the exception of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data is listed by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign countries into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
Lee Tire & Rubber Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

This report is available on a subscription basis only, and it cannot be reproduced without prior consent of the Rubber Manufacturers Association. Any questions regarding items on this report should be directed to Management Information Services of RMA; 1400 K Street, N.W.; Washington, D.C. 20005; Telephone: (202) 682-4860.

2/9/88 A 8810-1

RMA Industry Report

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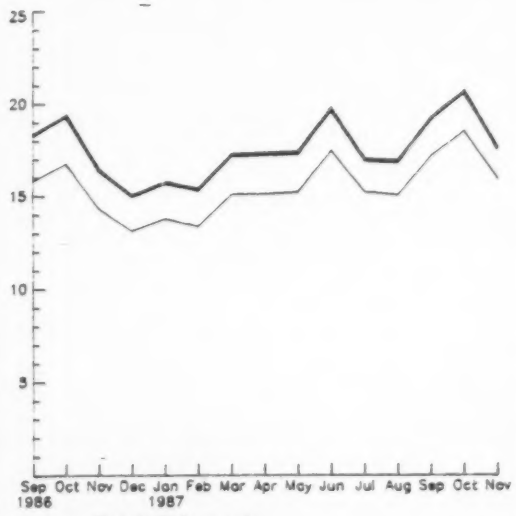
RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

MONTHLY TIRE REPORT

NOVEMBER 1987

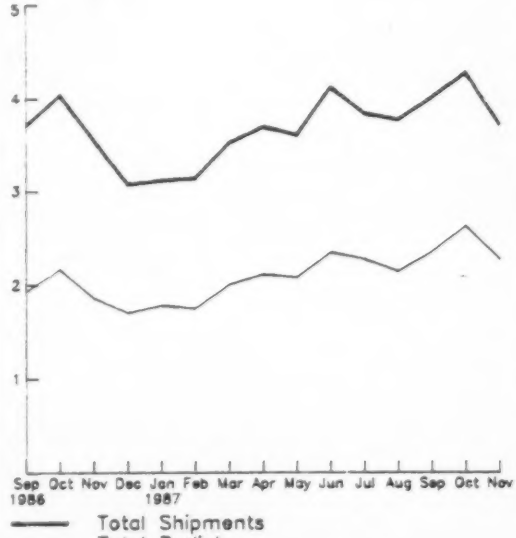
This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies so that the figures presented will represent 100% of the domestic U.S. tire market.

PASSENGER TIRE SHIPMENTS



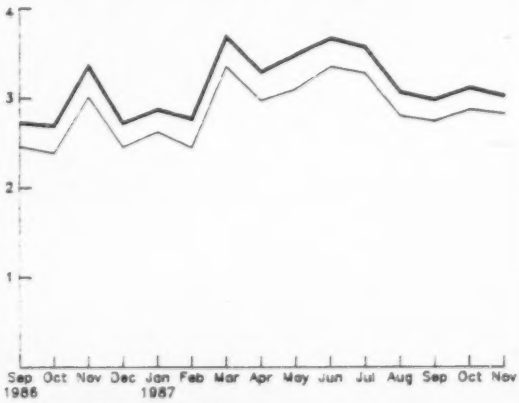
Figures in Millions of Units

TRUCK & BUS TIRE SHIPMENTS



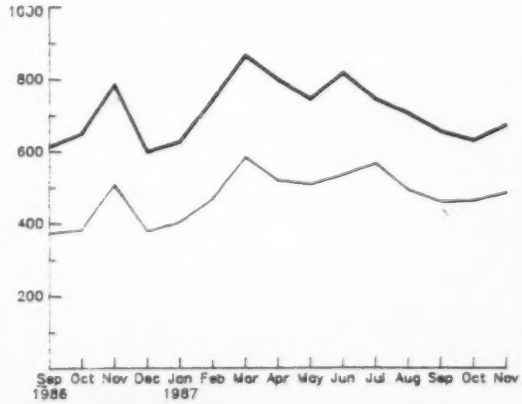
Figures in Millions of Units

PASSENGER TIRE IMPORTS



Figures in Millions of Units

TRUCK & BUS TIRE IMPORTS



Figures in Thousands of Units

Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for fifteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. November 1987 total shipments are up +7.2% from November 1986 for passenger tires, and up +8.2% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1986, passenger tire imports increased 101.1%, and truck and bus tire imports grew by 104.8%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: February 02, 1988

PASSENGER TIRES	November 1987	November 1986	% CHANGE	YTD 1987	YTD 1986	% CHANGE
Shipments						
Original Equipment	4,348	4,131	+5.25	49,316	50,626	-2.59
Radial	3,746	3,479	+7.67	41,901	42,599	-1.64
Replacement	12,681	11,920	+6.38	139,329	133,367	+4.47
Radial	11,735	10,576	+10.96	125,385	115,429	+8.63
Export	556	356	+56.18	5,370	3,696	+45.29
Radial	474	275	+72.36	4,679	2,844	+64.52
Total	17,585	16,407	+7.18	194,015	187,689	+3.37
Radial	15,955	14,330	+11.34	171,965	160,872	+6.90
Production	13,678	12,716	+7.57	153,907	146,743	+4.88
Radial	12,285	11,046	+11.22	135,695	124,472	+9.02
Ending Inventory	26,996	27,032	-0.13	-	-	-
Radial	24,246	23,675	+2.41	-	-	-
TRUCK & BUS TIRES						
Shipments						
Original Equipment	618	523	+18.16	7,264	6,357	+14.27
Radial	448	359	+24.79	5,071	4,273	+18.68
Replacement	2,902	2,823	+2.80	31,738	29,938	+6.01
Radial	1,683	1,450	+16.07	17,351	14,459	+20.00
Export	192	86	+123.26	1,878	1,184	+58.61
Radial	140	49	+185.71	1,340	706	+89.80
Total	3,712	3,432	+8.16	40,880	37,479	+9.07
Radial	2,271	1,858	+22.23	23,762	19,438	+22.25
Production	2,777	2,428	+14.37	32,642	28,363	+15.09
Radial	1,608	1,315	+22.28	18,533	14,014	+32.25
Ending Inventory	6,706	6,649	+0.86	-	-	-
Radial	4,149	3,870	+7.21	-	-	-
MOBILE HOME						
Shipments						
Original Equipment	57	31	+83.87	682	570	+19.65
Replacement	11	5	+120.00	102	59	+72.88
Export	-	-	-	-	-	-
Total	68	36	+88.89	784	629	+24.64
Production	62	26	+138.46	688	503	+36.78
Ending Inventory	92	79	+16.46	-	-	-
TRACTOR IMPLEMENT						
Shipments						
Original Equipment	48	39	+23.08	546	481	+13.51
Replacement	186	109	+70.64	2,472	2,172	+13.81
Export	23	16	+43.75	203	161	+26.09
Total	257	164	+56.71	3,221	2,814	+14.46
Production	249	200	+24.50	2,799	2,501	+11.92
Ending Inventory	599	659	-9.10	-	-	-
INDUSTRIAL & UTILITY						
Shipments						
Original Equipment	498	429	+16.08	6,704	5,909	+13.45
Replacement	183	93	+96.77	2,026	1,707	+18.69
Export	15	12	+25.00	224	187	+19.79
Total	696	534	+30.34	8,954	7,803	+14.75
Production	793	579	+36.96	8,434	6,885	+22.50
Ending Inventory	1,651	2,324	-28.96	-	-	-
INNER TUBES*						
Total Shipments						
Passenger & Motorcycle	429	465	-7.74	5,451	6,331	-13.90
Truck & Bus	1,138	1,055	+7.87	13,248	14,186	-6.61
Tractor-Implement	200	155	+29.03	2,530	2,317	+9.19
Industrial & Utility	110	93	+18.28	1,777	1,662	+6.92

* Inner Tube figures are for shipments only, not production.
In order to avoid possible double counting, export figures are as reported to RMA and will vary from data in government reports. This report is available from RMA at a $500.00 subscription rate. Year-end reports are available at $500.00 each. Figures may not add due to rounding. For further detail on tire and tube exports, refer to the RMA 501 report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the RMA Tire Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission of their monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those developed by the Comittee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

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The participants in this report include:

Armstrong Rubber Company
Bridgestone Tire Company of America, Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Company
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire & Rubber Company
Firestone Tire & Rubber Company, The
General Tire & Rubber Company, The
BFGoodrich Company, Tire Group, The
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
Lee Tire & Rubber Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Tire
Toyo Tire (USA) Corporation
Uniroyal, Inc.
Yokohama Tire Corporation

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IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES		
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes
1986												
January	2,332	225	125	50	275	177	177	3	46	424	233	327
February	2,251	155	96	57	247	171	180	2	82	292	175	449
March	2,296	213	109	78	298	157	165	4	64	372	218	360
April	2,371	178	113	86	231	107	118	5	47	255	172	308
May	2,650	179	110	68	270	130	252	2	42	244	204	313
June	2,798	198	110	66	303	117	180	3	42	468	203	336
July	3,506	236	119	112	337	161	156	4	91	361	261	395
August	2,734	205	89	76	315	170	104	4	74	344	177	290
September	2,462	260	84	106	289	134	86	4	46	310	148	243
October	2,382	303	89	101	295	166	146	4	51	383	130	235
November	3,015	342	105	81	404	195	160	5	83	343	180	396
CUMULATIVE	28,798	2,495	1,149	881	3,264	1,685	1,722	38	667	3,796	2,101	3,652
December	2,449	265	65	65	314	155	116	2	85	281	143	210
ANNUAL	31,246	2,759	1,213	946	3,578	1,840	1,838	40	752	4,077	2,244	3,862
1987												
January	2,625	247	106	56	298	168	187	2	28	301	140	328
February	2,440	320	146	121	323	152	169	6	35	416	137	413
March	3,345	334	161	107	424	170	166	2	43	292	155	441
April	2,961	318	167	112	352	167	143	3	50	285	136	422
May	3,095	385	169	76	339	159	160	6	52	364	169	388
June	3,345	317	141	89	395	192	168	3	81	253	153	407
July	3,266	290	134	53	433	123	105	2	49	255	157	439
August	2,793	265	105	64	387	148	124	2	87	545	144	415
September	2,734	236	100	50	358	146	84	2	71	284	93	455
October	2,866	243	117	41	346	125	120	3	51	461	122	406
November	2,816	197	138	49	347	138	131	2	49	432	123	428
CUMULATIVE	32,287	3,153	1,484	819	4,002	1,691	1,557	35	596	3,887	1,528	4,542
December												
% Change Month	-1.7	-18.9	17.9	19.5	.3	10.4	9.2	-33.3	-3.9	-6.3	.8	5.4
% Change Month 87 vs. 86	-6.6	-42.4	31.4	-39.5	-14.1	-29.2	-18.1	-60.0	-41.0	25.9	-31.7	8.1
% Change Cumulative	12.1	26.4	29.2	-7.0	22.6	.4	-9.6	-7.9	-10.6	2.4	-27.3	24.4

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

3/4/88 A8810-1

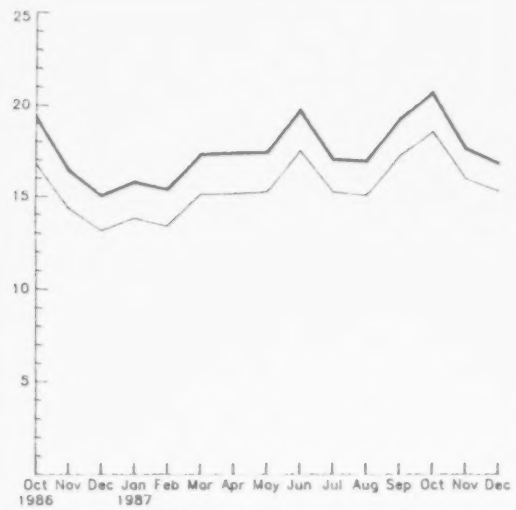
RMA Industry Report

RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

MONTHLY TIRE REPORT — December 1987

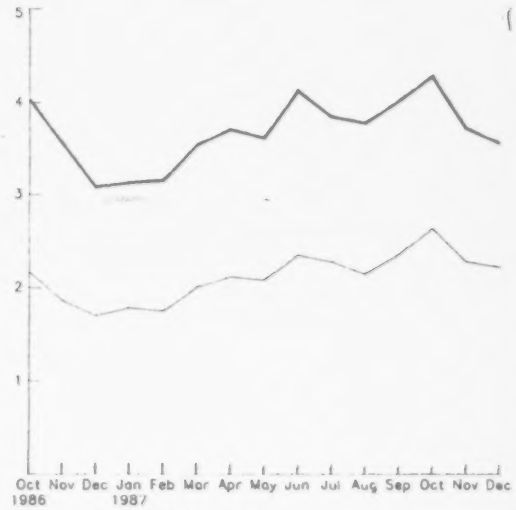
This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies. Figures presented represent 100% of the domestic U.S. tire market.

PASSENGER TIRE SHIPMENTS



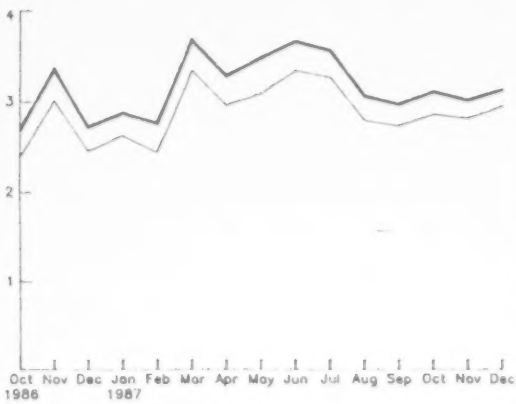
Figures in Millions of Units

TRUCK & BUS TIRE SHIPMENTS



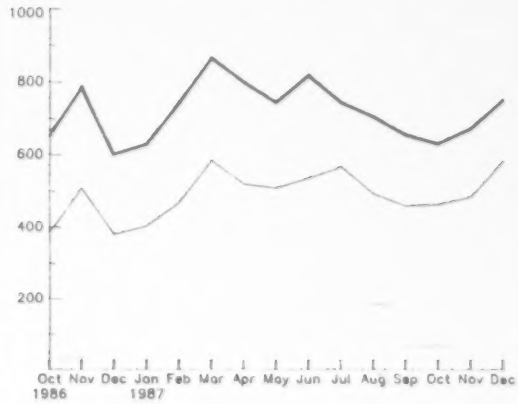
Figures in Millions of Units

PASSENGER TIRE IMPORTS



Figures in Millions of Units

TRUCK & BUS TIRE IMPORTS



Figures in Thousands of Units

Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for fifteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. December 1987 total shipments are up +11% from December 1986 for passenger tires, and up +15% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1986, passenger tire imports increased 101.1%, and truck and bus tire imports grew by 104.8%.

(FIGURES IN THOUSANDS OF UNITS)

ISSUED: February 25, 1988

PASSENGER TIRES	December 1987	December 1986	% CHANGE	YTD 1987	YTD 1986	% CHANGE
Shipments						
Original Equipment	3,597	3,766	-4.49	52,913	54,392	-2.72
Radial	3,086	3,179	-2.93	44,989	45,778	-1.72
Replacement	12,563	10,901	+15.25	151,892	144,267	+5.29
Radial	11,663	9,672	+20.59	137,048	125,102	+9.55
Export	618	336	+83.93	5,987	4,032	+48.49
Radial	536	255	+110.20	5,215	3,098	+68.33
Total	16,778	15,003	+11.83	210,792	202,691	+4.00
Radial	15,285	13,106	+16.63	187,252	173,978	+7.63
Production	13,615	12,607	+8.00	167,522	159,350	+5.13
Radial	12,131	10,972	+10.56	147,825	135,444	+9.14
Ending Inventory	27,432	27,630	-0.72	27,432	27,630	-0.72
Radial	24,507	24,262	+1.01	24,507	24,262	+1.01
TRUCK & BUS TIRES						
Shipments						
Original Equipment	580	502	+15.54	7,845	6,859	+14.38
Radial	425	358	+18.72	5,495	4,631	+18.66
Replacement	2,777	2,455	+13.12	34,514	32,392	+6.55
Radial	1,649	1,275	+29.33	19,000	15,732	+20.77
Export	191	118	+61.86	2,069	1,302	+58.91
Radial	142	67	+111.94	1,483	773	+91.85
Total	3,548	3,075	+15.38	44,428	40,553	+9.56
Radial	2,216	1,700	+30.35	25,978	21,136	+22.91
Production	2,813	2,576	+9.20	35,456	30,939	+14.60
Radial	1,642	1,462	+12.31	20,176	15,476	+30.37
Ending Inventory	6,906	6,656	+3.76	6,906	6,656	+3.76
Radial	4,314	3,927	+9.85	4,314	3,927	+9.85
MOBILE HOME						
Shipments						
Original Equipment	39	36	+8.33	722	606	+19.14
Replacement	5	4	+25.00	107	63	+69.84
Export	-	-	-	-	-	-
Total	44	40	+10.00	829	669	+23.92
Production	47	28	+67.86	735	531	+38.42
Ending Inventory	95	73	+30.14	95	73	+30.14
TRACTOR IMPLEMENT						
Shipments						
Original Equipment	50	31	+61.29	608	512	+18.75
Replacement	185	147	+25.85	2,658	2,319	+14.62
Export	25	9	+177.78	226	170	+32.94
Total	260	187	+39.04	3,492	3,001	+16.36
Production	255	202	+26.24	3,054	2,704	+12.94
Ending Inventory	640	684	-6.43	640	684	-6.43
INDUSTRIAL & UTILITY						
Shipments						
Original Equipment	455	514	-11.48	7,160	5,308	+34.89
Replacement	163	76	+114.47	2,189	2,897	-24.44
Export	25	15	+66.67	249	202	+23.27
Total	643	605	+6.28	9,598	8,407	+14.17
Production	766	561	+36.54	9,201	7,446	+23.57
Ending Inventory	1,761	2,282	-22.83	1,761	2,282	-22.83
INNER TUBES*						
Total Shipments						
Passenger & Motorcycle	434	414	+4.83	5,851	6,745	-13.25
Truck & Bus	1,072	1,045	+2.58	14,320	15,320	-6.53
Tractor-Implement	189	138	+36.96	2,718	2,454	+10.76
Industrial & Utility	112	90	+24.44	1,889	1,752	+7.82

* Inner Tube figures are for shipments only, not production.

In order to avoid possible double counting, export figures are as reported to RMA and will vary from data in government reports. This report is available from RMA at a $500.00 subscription rate. Year-end reports are available at $500.00 each. Figures may not add due to rounding. For further detail on tire and tube exports, refer to the RMA 501 report.

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES			
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025	772.5900
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes	Farm Tubes
1986													
January	2,332	225	125	50	275	177	177	3	46	424	233	327	26
February	2,251	155	96	57	247	171	180	2	82	292	175	449	39
March	2,296	213	109	78	298	157	165	4	64	372	218	360	35
April	2,371	178	113	86	231	107	118	5	47	255	172	308	19
May	2,650	179	110	68	270	130	252	2	42	244	204	313	33
June	2,798	198	110	66	303	117	180	3	42	468	203	336	42
July	3,506	236	119	112	337	161	156	4	91	361	261	395	32
August	2,734	205	89	76	315	170	104	4	74	344	177	290	23
September	2,462	260	84	106	289	134	86	4	46	310	148	243	27
October	2,382	303	89	101	295	166	146	4	51	383	130	235	25
November	3,015	342	105	81	404	195	160	5	83	343	180	396	55
December	2,449	265	65	65	314	155	116	2	85	281	143	210	32
CUMULATIVE	31,246	2,759	1,213	946	3,578	1,840	1,838	40	752	4,077	2,244	3,862	387
ANNUAL	31,246	2,759	1,213	946	3,578	1,840	1,838	40	752	4,077	2,244	3,862	387
1987													
January	2,625	247	106	56	298	168	187	2	28	301	140	328	29
February	2,440	320	146	121	323	152	169	6	35	416	137	413	70
March	3,345	334	161	107	424	173	166	2	43	292	155	441	45
April	2,961	318	167	112	352	167	143	3	50	285	136	422	32
May	3,095	385	169	76	339	159	160	6	52	364	169	388	34
June	3,345	317	141	89	395	192	168	3	81	253	153	407	71
July	3,266	290	134	53	433	123	105	2	49	255	157	439	48
August	2,793	265	105	64	387	148	124	2	87	545	144	415	78
September	2,734	236	100	50	358	146	84	2	71	284	93	455	22
October	2,866	243	117	41	346	125	120	3	51	461	122	406	59
November	2,816	197	138	49	347	138	131	2	49	432	123	428	52
December	2,956	178	195	41	389	127	150	2	95	459	187	397	130
CUMULATIVE	35,242	3,331	1,679	860	4,391	1,817	1,707	37	691	4,346	1,716	4,939	671
% Change Month	5.0	-9.6	41.3	-16.3	12.1	-8.0	14.5	.0	93.9	6.3	52.0	-7.2	150.0
% Change Month 87 vs. 86	20.7	-32.8	200.0	-36.9	23.9	-18.1	29.3	.0	11.8	63.3	30.8	89.0	306.3
% Change Cumulative	12.8	20.7	38.4	-9.1	22.7	-1.3	-7.1	-7.5	-8.1	6.6	-23.5	27.9	73.4

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the RMA Tire Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission of their monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those developed by the Comittee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenger service tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from factory to site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, cane and rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counter-balanced fork-lift trucks, recreational, boat, baggage, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tractors. This category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by the U.S. Government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports: Data for imports are shown separately on this report; however, those of participating companies are reflecte in all of the columns with the exception of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data is listed by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-government imports from foreign countries into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company
Bridgestone Tire Company of America, Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Company
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire & Rubber Company
Firestone Tire & Rubber Company, The
General Tire & Rubber Company, The
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
Lee Tire & Rubber Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Tire
Toyo Tire (USA) Corporation
Uniroyal Goodrich Tire Co.
Yokohama Tire Corporation

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4/12/88 A8810-1

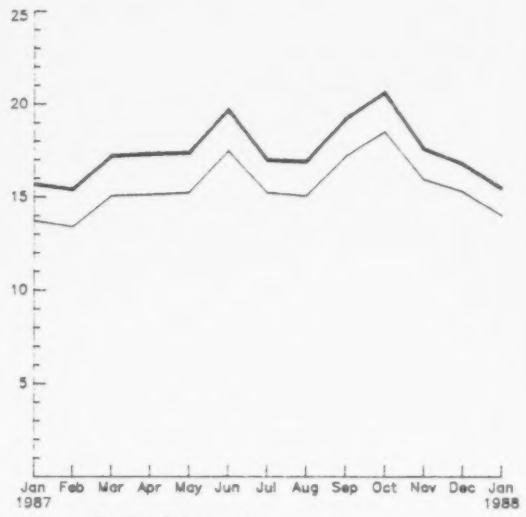
RMA Industry Report

RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

MONTHLY TIRE REPORT — January 1988

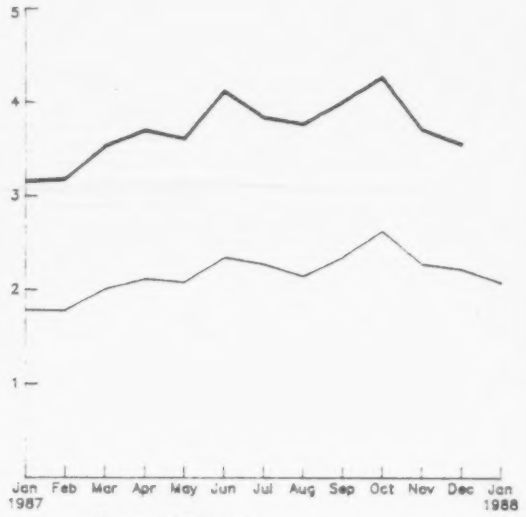
This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies. Figures presented represent 100% of the domestic U.S. tire market.

PASSENGER TIRE SHIPMENTS



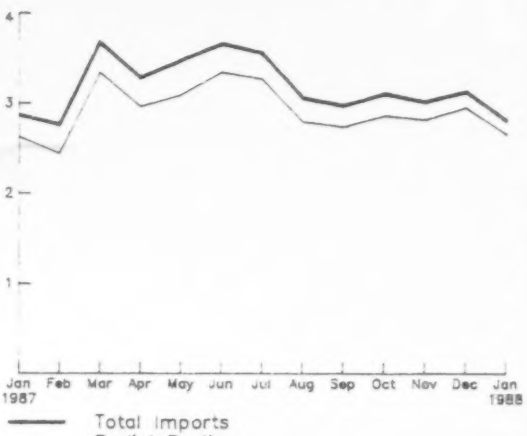
Figures in Millions of Units

TRUCK & BUS TIRE SHIPMENTS



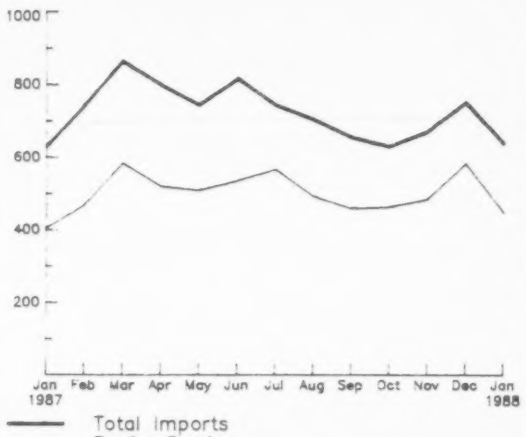
Figures in Millions of Units

PASSENGER TIRE IMPORTS



Figures in Millions of Units

TRUCK & BUS TIRE IMPORTS



Figures in Thousands of Units

Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for thirteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. January 1988 total shipments are down 2% from January 1987 for passenger tires and up 6% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1987, passenger tire imports increased 127.7%, and truck and bus tire imports grew by 137.3%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 04/05/88

PASSENGER TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	4,838	4,081	10,494	9,327	369	316	15,701	13,724	13,940	12,074	29,387	25,778
PREV YTD	4,838	4,081	10,494	9,327	369	316	15,701	13,724	13,940	12,074	29,387	25,778
FEBRUARY	4,889	4,138	10,001	8,825	498	423	15,388	13,386	13,896	12,047	31,237	27,432
MARCH	5,321	4,520	11,470	10,173	418	367	17,209	15,060	14,779	12,761	32,761	28,803
APRIL	4,699	3,956	12,195	10,789	427	380	17,321	15,125	13,911	12,091	32,173	28,398
MAY	4,687	3,955	12,218	10,871	470	406	17,375	15,232	13,484	11,861	32,556	28,834
JUNE	4,472	3,800	14,703	13,242	533	454	19,707	17,496	13,709	12,049	30,503	27,036
JULY	2,987	2,572	13,483	12,206	507	446	16,977	15,224	13,011	11,556	30,256	26,777
AUGUST	3,709	3,168	12,701	11,427	481	434	16,891	15,030	13,877	12,466	30,477	27,175
SEPTEMBER	4,328	3,698	14,339	13,019	541	477	19,209	17,193	14,017	12,497	29,217	26,164
OCTOBER	5,038	4,267	15,045	13,771	570	502	20,654	18,540	15,605	14,008	27,665	24,882
NOVEMBER	4,348	3,746	12,682	11,735	556	474	17,586	15,956	13,678	12,285	26,996	24,246
DECEMBER	3,597	3,086	12,563	11,663	618	536	16,777	15,285	13,615	12,131	27,432	24,507
PREV TOT	52,913	44,988	151,892	137,048	5,987	5,215	210,792	187,251	167,522	147,825	27,432	24,507
JANUARY	4,040	3,428	10,648	9,920	775	672	15,463	14,019	14,386	12,994	29,893	26,835
CURR YTD	4,040	3,428	10,648	9,920	775	672	15,463	14,019	14,386	12,994	29,893	26,835
FEBRUARY												
MARCH												
APRIL												
MAY												
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	12.3	11.1	-15.2	-14.9	25.5	25.5	-7.8	-8.3	5.7	7.1	9.0	9.5
PREV/CURR	-16.5	-16.0	1.5	6.4	109.9	112.6	-1.5	2.2	3.2	7.6	1.7	4.1
YTD CHG	-16.5	-16.0	1.5	6.4	109.9	112.6	-1.5	2.2	3.2	7.6	1.7	4.1

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 04/05/88

TRUCK AND BUS TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	643	453	2,387	1,242	121	86	3,151	1,781	2,939	1,604	6,936	3,996
PREV YTD	643	453	2,387	1,242	121	86	3,151	1,781	2,939	1,604	6,936	3,996
FEBRUARY	604	428	2,414	1,234	159	112	3,177	1,774	2,697	1,418	7,428	4,327
MARCH	698	491	2,665	1,398	167	118	3,530	2,007	2,954	1,577	7,912	4,614
APRIL	709	496	2,829	1,512	163	109	3,701	2,117	2,769	1,521	7,789	4,583
MAY	713	501	2,731	1,463	162	111	3,606	2,076	3,498	2,304	7,756	4,603
JUNE	673	450	3,281	1,772	168	124	4,122	2,346	2,839	1,607	7,369	4,449
JULY	618	420	3,048	1,733	169	117	3,834	2,269	2,785	1,559	7,088	4,311
AUGUST	607	419	2,981	1,591	176	130	3,765	2,140	2,846	1,612	7,024	4,385
SEPTEMBER	641	444	3,178	1,767	190	141	4,009	2,351	3,187	1,826	7,017	4,437
OCTOBER	740	521	3,322	1,955	211	152	4,272	2,628	3,351	1,897	6,874	4,270
NOVEMBER	618	448	2,902	1,684	192	140	3,712	2,273	2,777	1,608	6,706	4,149
DECEMBER	580	425	2,778	1,649	191	142	3,549	2,216	2,813	1,642	6,906	4,314
PREV TOT	7,845	5,495	34,514	19,000	2,069	1,483	44,428	25,977	35,455	20,176	6,906	4,314
JANUARY	673	485	2,413	1,400	246	189	3,332	2,075	2,959	1,770	7,154	4,412
CURR YTD	673	485	2,413	1,400	246	189	3,332	2,075	2,959	1,770	7,154	4,412
FEBRUARY												
MARCH												
APRIL												
MAY												
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	16.0	14.2	-13.1	-15.1	28.4	33.6	-6.1	-6.4	5.2	7.8	3.6	2.3
PREV/CURR	4.6	7.3	1.1	12.7	102.6	119.3	5.7	16.5	0.7	10.4	3.1	10.4
YTD CHG	4.6	7.3	1.1	12.7	102.6	119.3	5.7	16.5	0.7	10.4	3.1	10.4

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 04/05/88

TRACTOR IMPLEMENT TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	41	1	202	8	18	1	261	10	253	7	732	32
PREV YTD	41	1	202	8	18	1	261	10	253	7	732	32
FEBRUARY	46	3	223	8	18	1	287	12	246	8	706	29
MARCH	46	2	220	9	24	1	291	12	267	10	701	27
APRIL	51	3	261	8	20	1	332	12	262	10	645	26
MAY	42	2	226	5	15	1	283	8	248	11	630	29
JUNE	51	4	237	3	19	2	307	9	245	10	590	30
JULY	55	4	235	2	14	1	304	7	234	8	540	31
AUGUST	51	3	224	4	15		289	7	237	6	528	30
SEPTEMBER	57	3	247	6	19	1	322	10	264	8	509	27
OCTOBER	58	4	211	6	18	1	287	11	296	8	553	24
NOVEMBER	48	2	186	6	23	1	257	10	249	7	599	21
DECEMBER	50	3	185	8	25	1	260	12	255	9	640	18
PREV TOT	595	34	2,658	73	226	11	3,480	119	3,054	101	640	18
JANUARY	58	5	215	7	30	1	303	14	275	10	696	15
CURR YTD	58	5	215	7	30	1	303	14	275	10	696	15
FEBRUARY												
MARCH												
APRIL												
MAY												
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	15.4	73.8	16.4	-9.5	21.0	50.6	16.6	14.4	7.7	19.5	8.7	-17.4
PREV/CURR	40.1	237.7	6.4	-11.5	70.4	127.9	16.1	30.4	8.7	43.2	-5.0	-53.0
YTD CHG	40.1	237.7	6.4	-11.5	70.4	127.9	16.1	30.4	8.7	43.2	-5.0	-53.0

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 04/05/88

INDUSTRIAL AND UTILITY TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	736	1	215	1	17		967	2	725	3	2,079	29
PREV YTD	736	1	215	1	17		967	2	725	3	2,079	29
FEBRUARY	715	1	175	2	15		905	3	768	5	1,998	30
MARCH	740	1	179	2	25		944	2	829		1,911	28
APRIL	758	1	185	3	24		966	4	768		1,724	17
MAY	694	1	188	1	19		901	2	755	1	1,615	16
JUNE	605		186	2	24	1	815	3	742	1	1,530	15
JULY	337		125	2	25		488	3	517		1,524	15
AUGUST	457		186	2	17		660	2	776		1,545	15
SEPTEMBER	611		164	2	25		800	2	809		1,499	15
OCTOBER	553		240	2	18		811	2	952		1,609	14
NOVEMBER	498		183	1	15		696	1	793		1,651	14
DECEMBER	455		163	2	25		643	2	766	1	1,761	16
PREV TOT	7,160	4	2,189	22	249	2	9,598	29	9,202	12	1,761	16
JANUARY	569		222	2	20		810	3	725	1	1,635	16
CURR YTD	569		222	2	20		810	3	725	1	1,635	16
FEBRUARY												
MARCH												
APRIL												
MAY												
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	24.9	137.3	35.8	-8.4	-19.9	147.8	26.0	11.5	-5.4	-14.4	-7.2	-1.0
PREV/CURR	-22.7	-52.3	3.2	38.1	19.2	2377.8	-16.2	27.9	0.1	-62.5	-21.4	-45.3
YTD CHG	-22.7	-52.3	3.2	38.1	19.2	2377.8	-16.2	27.9	0.1	-62.5	-21.4	-45.3

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 04/05/88

INNER TUBES

	PASSENGER/ MOTORCYCLE		TRUCK & BUS		TRACTOR IMPLEMENT		INDUSTRIAL/ UTILITY	
	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN
JANUARY	472	563	1,150	1,009	174	165	184	98
PREV YTD	472	563	1,150	1,009	174	165	184	98
FEBRUARY	487	462	1,106	952	194	162	158	123
MARCH	521	450	1,184	1,028	215	174	152	139
APRIL	465	398	1,173	965	271	210	172	92
MAY	456	390	1,144	929	229	220	154	118
JUNE	559	466	1,403	993	283	254	198	119
JULY	403	311	1,094	736	191	164	146	98
AUGUST	470	600	1,112	1,207	239	364	166	130
SEPTEMBER	600	529	1,364	1,041	295	270	172	112
OCTOBER	589	468	1,380	929	238	216	165	115
NOVEMBER	429	300	1,138	746	200	139	110	97
DECEMBER	437	314	1,072	778	189	134	112	94
PREV TOT	5,889	5,250	14,320	11,313	2,718	2,472	1,889	1,336
JANUARY	443	324	1,105	825	213	187	212	111
CURR YTD	443	324	1,105	825	213	187	212	111
FEBRUARY								
MARCH								
APRIL								
MAY								
JUNE								
JULY								
AUGUST								
SEPTEMBER								
OCTOBER								
NOVEMBER								
DECEMBER								
PREV MTH	1.4	3.2	3.1	6.0	12.6	38.9	89.9	18.7
PREV/CURR	-6.1	-42.5	-3.9	-18.3	22.1	13.3	15.5	13.0
YTD CHG	-6.1	-42.5	-3.9	-18.3	22.1	13.3	15.5	13.0

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES			
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025	772.5900
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes	Farm Tubes
1987													
January	2,625	247	106	56	298	168	187	2	28	301	140	328	29
CUMULATIVE	2,625	247	106	56	298	168	187	2	28	301	140	328	29
February	2,440	320	146	121	323	152	169	6	35	416	137	413	70
March	3,345	334	161	107	424	173	166	2	43	292	155	441	45
April	2,961	318	167	112	352	167	143	3	50	285	136	422	32
May	3,095	385	169	76	339	159	160	6	52	364	169	388	34
June	3,345	317	141	89	395	192	168	3	81	253	153	407	71
July	3,266	290	134	53	433	123	105	2	49	255	157	439	48
August	2,793	265	105	64	387	148	124	2	87	545	144	415	78
September	2,734	236	100	50	358	146	84	2	71	284	93	455	22
October	2,866	243	117	41	346	125	120	3	51	461	122	406	59
November	2,816	197	138	49	347	138	131	2	49	432	123	428	52
December	2,956	178	195	41	389	127	150	2	95	459	187	397	130
ANNUAL	35,242	3,331	1,679	860	4,391	1,817	1,707	37	691	4,346	1,716	4,939	671
1988													
January	2,653	154	129	51	320	138	195	3	80	415	177	428	64
CUMULATIVE	2,653	154	129	51	320	138	195	3	80	415	177	428	64
February													
March													
April													
May													
June													
July													
August													
September													
October													
November													
December													
% Change Month													
% Change Month 88 vs. 87	1.1	-37.7	21.7	-8.9	7.4	-17.9	4.3	50.0	185.7	37.9	26.4	30.5	120.7
% Change Cumulative	1.1	-37.7	21.7	-8.9	7.4	-17.9	4.3	50.0	185.7	37.9	26.4	30.5	120.7

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the RMA Tire Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission of their monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those developed by the Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenger service tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from factory to site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, cane and rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, baggage, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tractors. This category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by the U.S. government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the exception of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data is listed by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign countries into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

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5/10/88

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RMA Industry Report

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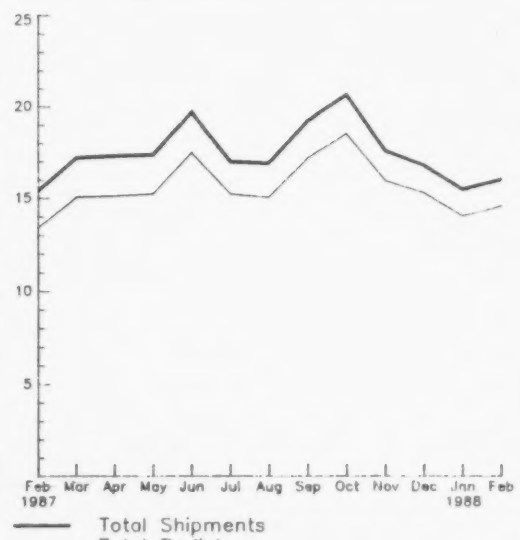
RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

MONTHLY TIRE REPORT — FEBRUARY 1988

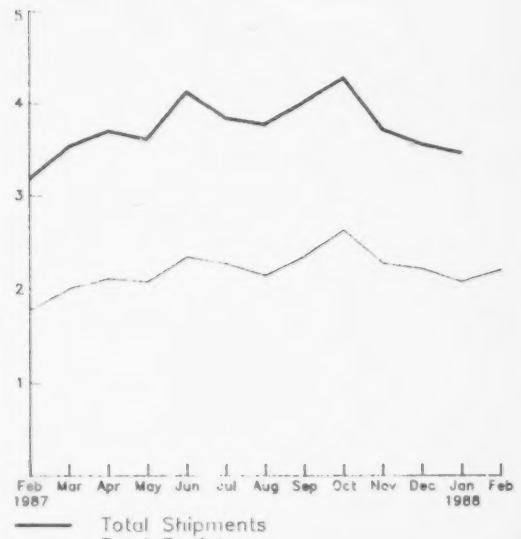
This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies. Figures presented represent 100% of the domestic U.S. tire market.

PASSENGER TIRE SHIPMENTS



Figures in Millions of Units

TRUCK & BUS TIRE SHIPMENTS

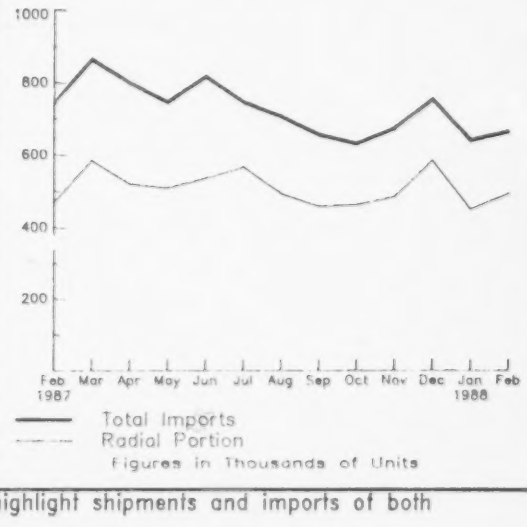


Figures in Millions of Units

PASSENGER TIRE IMPORTS

Figures in Millions of Units

TRUCK & BUS TIRE IMPORTS



Figures in Thousands of Units

Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for thirteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. February 1988 total shipments are up 4% from February 1987 for passenger tires and up 9% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1987, passenger tire imports increased 127.7%, and truck and bus tire imports grew by 137.3%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 04/29/88

PASSENGER TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	4,838	4,081	10,494	9,327	369	316	15,701	13,724	13,940	12,074	29,387	25,778
FEBRUARY	4,889	4,138	10,001	8,825	498	423	15,388	13,386	13,896	12,047	31,237	27,432
PREV YTD	9,727	8,218	20,494	18,153	867	739	31,088	27,110	27,836	24,121	31,237	27,432
MARCH	5,321	4,520	11,470	10,173	418	367	17,209	15,060	14,779	12,761	32,761	28,803
APRIL	4,699	3,956	12,195	10,789	427	380	17,321	15,125	13,911	12,091	32,173	28,398
MAY	4,687	3,955	12,218	10,871	470	406	17,375	15,232	13,484	11,861	32,556	28,834
JUNE	4,472	3,800	14,703	13,242	533	454	19,707	17,496	13,709	12,049	30,503	27,036
JULY	2,987	2,572	13,483	12,206	507	446	16,977	15,224	13,011	11,556	30,256	26,777
AUGUST	3,709	3,168	12,701	11,427	481	434	16,891	15,030	13,877	12,466	30,477	27,175
SEPTEMBER	4,328	3,698	14,339	13,019	541	477	19,209	17,193	14,017	12,497	29,217	26,164
OCTOBER	5,038	4,267	15,045	13,771	570	502	20,654	18,540	15,605	14,008	27,665	24,882
NOVEMBER	4,348	3,746	12,682	11,735	556	474	17,586	15,956	13,678	12,285	26,996	24,246
DECEMBER	3,597	3,086	12,563	11,663	618	536	16,777	15,285	13,615	12,131	27,432	24,507
PREV TOT	52,913	44,988	151,892	137,048	5,987	5,215	210,792	187,251	167,522	147,825	27,432	24,507
JANUARY	4,040	3,428	10,648	9,920	775	672	15,463	14,019	14,386	12,994	29,893	26,835
FEBRUARY	4,335	3,700	10,789	10,082	896	802	16,021	14,584	14,893	13,427	32,239	28,982
CURR YTD	8,375	7,128	21,437	20,002	1,671	1,474	31,483	28,603	29,279	26,421	32,239	28,982
MARCH												
APRIL												
MAY												
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	7.3	8.0	1.3	1.6	15.6	19.2	3.6	4.0	3.5	3.3	7.8	8.0
PREV/CURR	-11.3	-10.6	7.9	14.2	80.1	89.4	4.1	8.9	7.2	11.5	3.2	5.6
YTD CHG	-13.9	-13.3	4.6	10.2	92.7	99.3	1.3	5.5	5.2	9.5	2.5	4.9

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 04/29/88

TRUCK AND BUS TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	643	453	2,387	1,242	121	86	3,151	1,781	2,939	1,604	6,936	3,996
FEBRUARY	604	428	2,414	1,234	159	112	3,177	1,774	2,697	1,418	7,428	4,327
PREV YTD	1,248	880	4,801	2,476	280	199	6,328	3,555	5,636	3,022	7,428	4,327
MARCH	698	491	2,665	1,398	167	118	3,530	2,007	2,954	1,577	7,912	4,614
APRIL	709	496	2,829	1,512	163	109	3,701	2,117	2,769	1,521	7,789	4,583
MAY	713	501	2,731	1,463	162	111	3,606	2,076	3,498	2,304	7,756	4,603
JUNE	673	450	3,281	1,772	168	124	4,122	2,346	2,839	1,607	7,369	4,449
JULY	618	420	3,048	1,733	169	117	3,834	2,269	2,785	1,559	7,088	4,311
AUGUST	607	419	2,981	1,591	176	130	3,765	2,140	2,846	1,612	7,024	4,385
SEPTEMBER	641	444	3,178	1,767	190	141	4,009	2,351	3,187	1,826	7,017	4,437
OCTOBER	740	521	3,322	1,955	211	152	4,272	2,628	3,351	1,897	6,874	4,270
NOVEMBER	618	448	2,902	1,684	192	140	3,712	2,273	2,777	1,608	6,706	4,149
DECEMBER	580	425	2,778	1,649	191	142	3,549	2,216	2,813	1,642	6,906	4,314
PREV TOT	7,845	5,495	34,514	19,000	2,069	1,483	44,428	25,977	35,455	20,176	6,906	4,314
JANUARY	673	485	2,413	1,400	246	189	3,332	2,075	2,959	1,770	7,154	4,412
FEBRUARY	730	538	2,454	1,468	267	200	3,451	2,206	3,134	1,879	7,665	4,699
CURR YTD	1,403	1,024	4,867	2,868	513	389	6,783	4,281	6,093	3,650	7,665	4,699
MARCH												
APRIL												
MAY												
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	8.5	10.8	1.7	4.9	8.6	5.8	3.6	6.3	5.9	6.2	7.1	6.5
PREV/CURR	20.9	25.8	1.6	19.0	68.3	78.3	8.6	24.4	16.2	32.5	3.2	8.6
YTD CHG	12.5	16.3	1.4	15.8	83.2	96.1	7.2	20.4	8.1	20.8	3.2	9.5

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 04/29/88

MOBILE HOME TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	34		6				40		44		81	
FEBRUARY	33		3				36		37		78	
PREV YTD	67		9				76		81		78	
MARCH	61		15				76		35		58	
APRIL	66		9				74		51		40	
MAY	76		8				84		74		40	
JUNE	72		7				79		77		42	
JULY	72		19				91		82		54	
AUGUST	62		10				72		76		66	
SEPTEMBER	72		7				79		67		53	
OCTOBER	77		7				84		83		87	
NOVEMBER	57		11				68		62		92	
DECEMBER	39		5				45		47		95	
PREV TOT	722		107				829		735		95	
JANUARY	39		8				47		39		89	
FEBRUARY	38		5				44		44		88	
CURR YTD	77		13				90		83		88	
MARCH												
APRIL												
MAY												
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	-1.6		-32.5		1400.0		-6.6		12.4		-0.5	
PREV/CURR	15.8		74.4		1400.0		20.7		18.0		13.4	
YTD CHG	15.0		43.3		7.7		18.3		2.3		11.3	

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 04/29/88

TRACTOR IMPLEMENT TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	41	1	202	8	18	1	261	10	253	7	732	32
FEBRUARY	46	3	223	8	18	1	287	12	246	8	706	29
PREV YTD	87	4	425	17	36	1	548	22	499	16	706	29
MARCH	46	2	220	9	24	1	291	12	267	10	701	27
APRIL	51	3	261	8	20	1	332	12	262	10	645	26
MAY	42	2	226	5	15	1	283	8	248	11	630	29
JUNE	51	4	237	3	19	2	307	9	245	10	590	30
JULY	55	4	235	2	14	1	304	7	234	8	540	31
AUGUST	51	3	224	4	15		289	7	237	6	528	30
SEPTEMBER	57	3	247	6	19	1	322	10	264	8	509	27
OCTOBER	58	4	211	6	18	1	287	11	296	8	553	24
NOVEMBER	48	2	186	6	23	1	257	10	249	7	599	21
DECEMBER	50	3	185	8	25	1	260	12	255	9	640	18
PREV TOT	595	34	2,658	73	226	11	3,480	119	3,054	101	640	18
JANUARY	58	5	215	7	30	1	303	14	275	10	696	15
FEBRUARY	51	3	253	10	26	1	330	14	271	13	669	15
CURR YTD	109	8	467	17	56	2	633	27	545	24	669	15
MARCH												
APRIL												
MAY												
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	-11.9	-32.3	17.5	34.4	-14.0	-56.8	8.7	1.7	-1.5	30.5	-3.8	0.9
PREV/CURR	11.5	6.0	13.2	19.4	45.0	-3.1	14.9	14.9	9.9	59.4	-5.1	-48.2
YTD CHG	25.1	79.3	10.0	3.9	57.7	61.9	15.5	22.1	9.3	51.9	-5.1	-50.7

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 04/29/88

INDUSTRIAL AND UTILITY TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	736	1	215	1	17		967	2	725	3	2,079	29
FEBRUARY	715	1	175	2	15		905	3	768	5	1,998	30
PREV YTD	1,451	2	390	3	32		1,873	5	1,493	8	1,998	30
MARCH	740	1	179	2	25		944	2	829		1,911	28
APRIL	758	1	185	3	24		966	4	768		1,724	17
MAY	694	1	188	1	19		901	2	755	1	1,615	16
JUNE	605		186	2	24	1	815	3	742	1	1,530	15
JULY	337		125	2	25		488	3	517		1,524	15
AUGUST	457		186	2	17		660	2	776		1,545	15
SEPTEMBER	611		164	2	25		800	2	809		1,499	15
OCTOBER	553		240	2	18		811	2	952		1,609	14
NOVEMBER	498		183	1	15		696	1	793		1,651	14
DECEMBER	455		163	2	25		643	2	766	1	1,761	16
PREV TOT	7,160	4	2,189	22	249	2	9,598	29	9,202	12	1,761	16
JANUARY	569		222	2	20		810	3	725	1	1,635	16
FEBRUARY	583		212	2	20		814	2	762		1,539	15
CURR YTD	1,152	1	433	3	40	1	1,625	5	1,487	1	1,539	15
MARCH												
APRIL												
MAY												
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	2.4	-28.8	-4.6	-22.3	1.4	-79.8	0.5	-32.5	5.0	-100.0	-5.9	-5.5
PREV/CURR	-18.6	-74.2	21.0	-15.7	33.9	-61.5	-10.1	-37.8	-0.9	-100.0	-23.0	-49.7
YTD CHG	-20.7	-64.8	11.2	8.0	26.2	112.7	-13.2	-10.2	-0.4	-85.1	-22.2	-47.6

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

INNER TUBES

	PASSENGER/ MOTORCYCLE		TRUCK & BUS		TRACTOR IMPLEMENT		INDUSTRIAL/ UTILITY	
	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN
JANUARY	472	563	1,150	1,009	174	165	184	98
FEBRUARY	487	462	1,106	952	194	162	158	123
PREV YTD	959	1,025	2,256	1,961	368	326	342	222
MARCH	521	450	1,184	1,028	215	174	152	139
APRIL	465	398	1,173	965	271	210	172	92
MAY	456	390	1,144	929	229	220	154	118
JUNE	559	466	1,403	993	283	254	198	119
JULY	403	311	1,094	736	191	164	146	98
AUGUST	470	600	1,112	1,207	239	364	166	130
SEPTEMBER	600	529	1,364	1,041	295	270	172	112
OCTOBER	589	468	1,380	929	238	216	165	115
NOVEMBER	429	300	1,138	746	200	139	110	97
DECEMBER	437	314	1,072	778	189	134	112	94
PREV TOT	5,889	5,250	14,320	11,313	2,718	2,472	1,889	1,336
JANUARY	443	324	1,105	825	213	187	212	111
FEBRUARY	481	390	1,063	1,027	242	230	154	151
CURR YTD	924	713	2,168	1,851	455	417	366	262
MARCH								
APRIL								
MAY								
JUNE								
JULY								
AUGUST								
SEPTEMBER								
OCTOBER								
NOVEMBER								
DECEMBER								
PREV MTH	8.5	20.3	-3.8	24.5	13.8	23.0	-27.5	35.6
PREV/CURR	-1.3	-15.8	-3.9	7.9	24.7	42.2	-2.8	22.6
YTD CHG	-3.6	-30.4	-3.9	-5.6	23.5	27.6	7.0	18.4

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES			
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025	772.5900
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes	Farm Tubes
1987													
January	2,625	247	106	56	298	168	187	2	28	301	140	328	29
February	2,440	320	146	121	323	152	169	6	35	416	137	413	70
March	3,345	334	161	107	424	173	166	2	43	292	155	441	45
CUMULATIVE	8,411	902	413	284	1,045	493	521	10	106	1,008	432	1,182	145
April	2,961	318	167	112	352	167	143	3	50	285	136	422	32
May	3,095	385	169	76	339	159	160	6	52	364	169	388	34
June	3,345	317	141	89	395	192	168	3	81	253	153	407	71
July	3,266	290	134	53	433	123	105	2	49	255	157	439	48
August	2,793	265	105	64	387	148	124	2	87	545	144	415	78
September	2,734	236	100	50	358	146	84	2	71	284	93	455	22
October	2,866	243	117	41	346	125	120	3	51	461	122	406	59
November	2,816	197	138	49	347	138	131	2	49	432	123	428	52
December	2,956	178	195	41	389	127	150	2	95	459	187	397	130
ANNUAL	35,242	3,331	1,679	860	4,391	1,817	1,707	37	691	4,346	1,716	4,939	671
1988													
January	2,653	154	129	51	320	138	195	3	80	415	177	428	64
February	2,923	180	125	53	369	117	122	2	79	469	169	483	101
March	**	**	**	**	**	**	**	**	**	**	**	**	**
CUMULATIVE	5,575	334	254	104	689	255	317	5	160	884	346	910	165
April													
May													
June													
July													
August													
September													
October													
November													
December													
% Change Month													
% Change Month 88 vs. 87	PERCENT CHANGES NOT AVAILABLE DUE TO DATA NOT BEING RELEASED BY COMMERCE DEPARTMENT.												
% Change Cumulative													

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

** These figures unavailable, data not yet released by Commerce Department.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the RMA Tire Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission of their monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those developed by the Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenger service tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from factory to site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, cane and rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, baggage, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tractors. This category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by the U.S. government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the exception of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data is listed by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign countries into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Dayton Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

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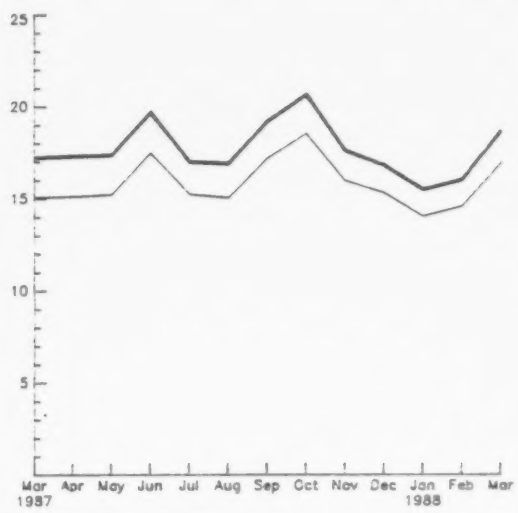
RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

MONTHLY TIRE REPORT — MARCH 1988

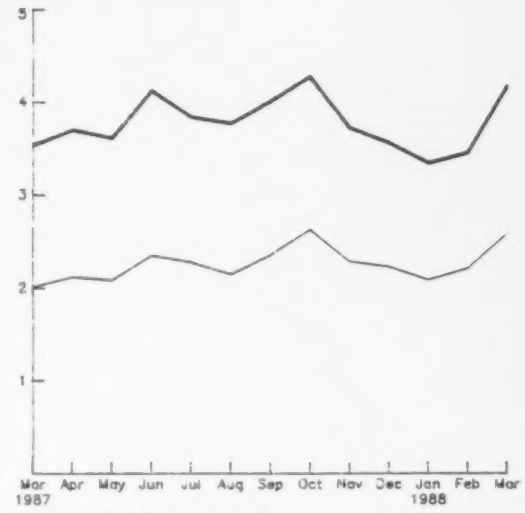
This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies. Figures presented represent 100% of the domestic U.S. tire market.

PASSENGER TIRE SHIPMENTS



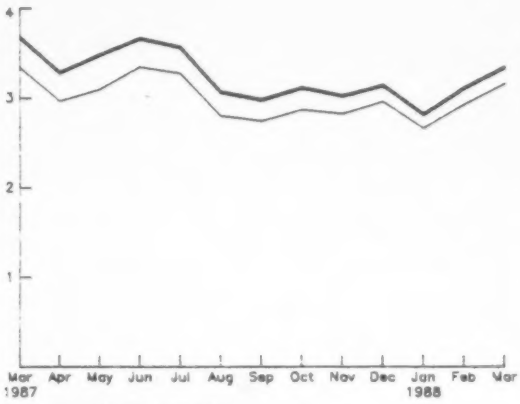
Figures in Millions of Units

TRUCK & BUS TIRE SHIPMENTS



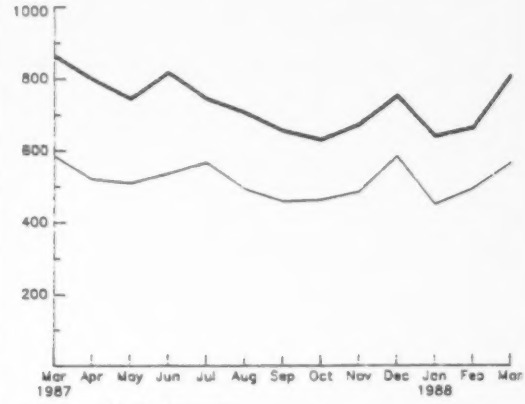
Figures in Millions of Units

PASSENGER TIRE IMPORTS



Figures in Millions of Units

TRUCK & BUS TIRE IMPORTS



Figures in Thousands of Units

Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for thirteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. March 1988 total shipments are up 8% from March 1987 for passenger tires and up 18% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1987, passenger tire imports increased 127.7%, and truck and bus tire imports grew by 137.3%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 05/23/88

PASSENGER TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	4,838	4,081	10,494	9,327	369	316	15,701	13,724	13,940	12,074	29,387	25,778
	FEBRUARY	4,889	4,138	10,001	8,825	498	423	15,388	13,386	13,896	12,047	31,237	27,432
	MARCH	5,321	4,520	11,470	10,173	418	367	17,209	15,060	14,779	12,761	32,761	28,803
	PREV YTD	15,048	12,739	31,964	28,325	1,285	1,106	48,297	42,170	42,614	36,881	32,761	28,803
	APRIL	4,699	3,956	12,195	10,789	427	380	17,321	15,125	13,911	12,091	32,173	28,398
	MAY	4,687	3,955	12,218	10,871	470	406	17,375	15,232	13,484	11,861	32,556	28,834
	JUNE	4,472	3,800	14,703	13,242	533	454	19,707	17,496	13,709	12,049	30,503	27,036
	JULY	2,987	2,572	13,483	12,206	507	446	16,977	15,224	13,011	11,556	30,256	26,777
	AUGUST	3,709	3,168	12,701	11,427	481	434	16,891	15,030	13,877	12,466	30,477	27,175
	SEPTEMBER	4,328	3,698	14,339	13,019	541	477	19,209	17,193	14,017	12,497	29,217	26,164
	OCTOBER	5,038	4,267	15,045	13,771	570	502	20,654	18,540	15,605	14,008	27,665	24,882
	NOVEMBER	4,348	3,746	12,682	11,735	556	474	17,586	15,956	13,678	12,285	26,996	24,246
	DECEMBER	3,597	3,086	12,563	11,663	618	536	16,777	15,285	13,615	12,131	27,432	24,507
	PREV TOT	52,913	44,988	151,892	137,048	5,987	5,215	210,792	187,251	167,522	147,825	27,432	24,507
1988	JANUARY	4,040	3,428	10,648	9,920	775	672	15,463	14,019	14,386	12,994	29,893	26,835
	FEBRUARY	4,335	3,700	10,789	10,082	896	802	16,021	14,584	14,893	13,427	32,239	28,982
	MARCH	4,937	4,209	12,746	11,857	954	834	18,637	16,900	15,872	14,311	33,008	29,747
	CURR YTD	13,312	11,337	34,183	31,859	2,625	2,307	50,121	45,503	45,152	40,732	33,008	29,747
	APRIL												
	MAY												
	JUNE												
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	13.9	13.8	18.1	17.6	6.5	4.0	16.3	15.9	6.6	6.6	2.4	2.6
	PREV/CURR	-7.2	-6.9	11.1	16.6	128.4	127.3	8.3	12.2	7.4	12.1	0.8	3.3
	YTD CHG	-11.5	-11.0	6.9	12.5	104.3	108.6	3.8	7.9	6.0	10.4	1.9	4.3

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 05/23/88

TRUCK AND BUS TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	643	453	2,387	1,242	121	86	3,151	1,781	2,939	1,604	6,936	3,996
	FEBRUARY	604	428	2,414	1,234	159	112	3,177	1,774	2,697	1,418	7,428	4,327
	MARCH	698	491	2,665	1,398	167	118	3,530	2,007	2,954	1,577	7,912	4,614
	PREV YTD	1,946	1,371	7,466	3,874	447	317	9,858	5,562	8,590	4,599	7,912	4,614
	APRIL	709	496	2,829	1,512	163	109	3,701	2,117	2,769	1,521	7,789	4,583
	MAY	713	501	2,731	1,463	162	111	3,606	2,076	3,498	2,304	7,756	4,603
	JUNE	673	450	3,281	1,772	168	124	4,122	2,346	2,839	1,607	7,369	4,449
	JULY	618	420	3,048	1,733	169	117	3,834	2,269	2,785	1,559	7,088	4,311
	AUGUST	607	419	2,981	1,591	176	130	3,765	2,140	2,846	1,612	7,024	4,385
	SEPTEMBER	641	444	3,178	1,767	190	141	4,009	2,351	3,187	1,826	7,017	4,437
	OCTOBER	740	521	3,322	1,955	211	152	4,272	2,628	3,351	1,897	6,874	4,270
	NOVEMBER	618	448	2,902	1,684	192	140	3,712	2,273	2,777	1,608	6,706	4,149
	DECEMBER	580	425	2,778	1,649	191	142	3,549	2,216	2,813	1,642	6,906	4,314
	PREV TOT	7,845	5,495	34,514	19,000	2,069	1,483	44,428	25,977	35,455	20,176	6,906	4,314
1988	JANUARY	673	485	2,413	1,400	246	189	3,332	2,075	2,959	1,770	7,154	4,412
	FEBRUARY	730	538	2,454	1,468	267	200	3,451	2,206	3,134	1,879	7,665	4,699
	MARCH	815	602	3,001	1,684	355	294	4,171	2,580	3,433	2,060	7,729	4,719
	CURR YTD	2,219	1,626	7,868	4,552	867	683	10,954	6,861	9,525	5,709	7,729	4,719
	APRIL												
	MAY												
	JUNE												
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	11.7	11.9	22.3	14.7	32.9	46.8	20.9	16.9	9.5	9.6	0.8	0.4
	PREV/CURR	16.8	22.8	12.6	20.4	112.0	148.0	18.2	28.5	16.2	30.6	-2.3	2.3
	YTD CHG	14.0	18.6	5.4	17.5	94.0	115.5	11.1	23.4	10.9	24.1	1.2	6.9

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 05/23/88

MOBILE HOME TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	34		6				40		44		81	
	FEBRUARY	33		3				36		37		78	
	MARCH	61		15				76		35		58	
	PREV YTD	128		24				153		116		58	
	APRIL	66		9				74		51		40	
	MAY	76		8				84		74		40	
	JUNE	72		7				79		77		42	
	JULY	72		19				91		82		54	
	AUGUST	62		10				72		76		66	
	SEPTEMBER	72		7				79		67		53	
	OCTOBER	77		7				84		83		87	
	NOVEMBER	57		11				68		62		92	
	DECEMBER	39		5				45		47		95	
	PREV TOT	722		107				829		735		95	
1988	JANUARY	39		8				47		39		89	
	FEBRUARY	38		5				44		44		88	
	MARCH	64						64		62		92	
	CURR YTD	141		13				154		144		92	
	APRIL												
	MAY												
	JUNE												
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	66.5		-96.6		-100.0		47.2		40.6		4.3	
	PREV/CURR	5.0		-98.9		-100.0		-16.0		77.4		60.0	
	YTD CHG	10.2		-46.8		-67.4		1.1		24.8		24.2	

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 05/23/88

TRACTOR IMPLEMENT TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	41	1	202	8	18	1	261	10	253	7	732	32
	FEBRUARY	46	3	223	8	18	1	287	12	246	8	706	29
	MARCH	46	2	220	9	24	1	291	12	267	10	701	27
	PREV YTD	133	7	645	25	60	2	839	34	766	25	701	27
	APRIL	51	3	261	8	20	1	332	12	262	10	645	26
	MAY	42	2	226	5	15	1	283	8	248	11	630	29
	JUNE	51	4	237	3	19	2	307	9	245	10	590	30
	JULY	55	4	235	2	14	1	304	7	234	8	540	31
	AUGUST	51	3	224	4	15		289	7	237	6	528	30
	SEPTEMBER	57	3	247	6	19	1	322	10	264	8	509	27
	OCTOBER	58	4	211	6	18	1	287	11	296	8	553	24
	NOVEMBER	48	2	186	6	23	1	257	10	249	7	599	21
	DECEMBER	50	3	185	8	25	1	260	12	255	9	640	18
	PREV TOT	595	34	2,658	73	226	11	3,480	119	3,054	101	640	18
1988	JANUARY	58	5	215	7	30	1	303	14	275	10	696	15
	FEBRUARY	51	3	253	10	26	1	330	14	271	13	669	15
	MARCH	66	6	286	12	28	1	380	19	315	15	646	12
	CURR YTD	175	13	754	29	84	3	1,013	46	860	38	646	12
	APRIL												
	MAY												
	JUNE												
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	28.3	73.2	13.4	18.8	7.2	133.1	15.2	36.5	16.4	9.8	-3.5	-20.7
	PREV/CURR	42.4	126.6	30.0	37.3	15.7	108.2	30.8	60.1	18.2	54.6	-7.9	-55.9
	YTD CHG	31.1	96.2	16.8	15.3	40.8	78.2	20.8	35.1	12.4	52.9	-6.0	-52.3

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 05/23/88

INDUSTRIAL AND UTILITY TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACEMENT	REPLACEMENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUCTION	PRODUCTION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	736	1	215	1	17		967	2	725	3	2,079	29
	FEBRUARY	715	1	175	2	15		905	3	768	5	1,998	30
	MARCH	740	1	179	2	25		944	2	829		1,911	28
	PREV YTD	2,192	2	568	5	57		2,816	8	2,322	8	1,911	28
	APRIL	758	1	185	3	24		966	4	768		1,724	17
	MAY	694	1	188	1	19		901	2	755	1	1,615	16
	JUNE	605		186	2	24	1	815	3	742	1	1,530	15
	JULY	337		125	2	25		488	3	517		1,524	15
	AUGUST	457		186	2	17		660	2	776		1,545	15
	SEPTEMBER	611		164	2	25		800	2	809		1,499	15
	OCTOBER	553		240	2	18		811	2	952		1,609	14
	NOVEMBER	498		183	1	15		696	1	793		1,651	14
	DECEMBER	455		163	2	25		643	2	766	1	1,761	16
	PREV TOT	7,160	4	2,189	22	249	2	9,598	29	9,202	12	1,761	16
1988	JANUARY	569		222	2	20		810	3	725	1	1,635	16
	FEBRUARY	583		212	2	20		814	2	762		1,539	15
	MARCH	666		173	2	36		874	2	816		1,417	14
	CURR YTD	1,817	1	606	5	75	1	2,499	7	2,303	1	1,417	14
	APRIL												
	MAY												
	JUNE												
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	14.3	-27.1	-18.2	13.7	77.4	134.4	7.4	14.2	7.1	16000.0	-7.9	-5.3
	PREV/CURR	-10.1	-72.2	-3.1	3.7	42.5	30.2	-7.4	-14.1	-1.6	-50.5	-25.9	-49.3
	YTD CHG	-17.1	-66.8	6.7	6.5	33.4	80.4	-11.3	-11.5	-0.8	-83.8	-23.3	-48.1

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 05/23/88

INNER TUBES

		PASSENGER/ MOTORCYCLE		TRUCK & BUS		TRACTOR IMPLEMENT		INDUSTRIAL/ UTILITY	
		SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN
1987	JANUARY	472	563	1,150	1,009	174	165	184	98
	FEBRUARY	487	462	1,106	952	194	162	158	123
	MARCH	521	450	1,184	1,028	215	174	152	139
	PREV YTD	1,480	1,475	3,440	2,988	583	501	494	361
	APRIL	465	398	1,173	965	271	210	172	92
	MAY	456	390	1,144	929	229	220	154	118
	JUNE	559	466	1,403	993	283	254	198	119
	JULY	403	311	1,094	736	191	164	146	98
	AUGUST	470	600	1,112	1,207	239	364	166	130
	SEPTEMBER	600	529	1,364	1,041	295	270	172	112
	OCTOBER	589	468	1,380	929	238	216	165	115
	NOVEMBER	429	300	1,138	746	200	139	110	97
	DECEMBER	437	314	1,072	778	189	134	112	94
	PREV TOT	5,889	5,250	14,320	11,313	2,718	2,472	1,889	1,336
1988	JANUARY	443	324	1,105	825	213	187	212	111
	FEBRUARY	481	390	1,063	1,027	242	230	154	151
	MARCH	548	562	1,186	1,058	257	266	178	136
	CURR YTD	1,472	1,275	3,354	2,910	711	683	545	398
	APRIL								
	MAY								
	JUNE								
	JULY								
	AUGUST								
	SEPTEMBER								
	OCTOBER								
	NOVEMBER								
	DECEMBER								
	PREV MTH	14.0	44.2	11.6	3.0	6.1	15.8	16.0	-10.2
	PREV/CURR	5.3	24.9	0.2	3.0	19.5	52.8	17.1	-2.5
	YTD CHG	-0.5	-13.6	-2.5	-2.6	22.0	36.4	10.1	10.3

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES			
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025	772.5900
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes	Farm Tubes
1987													
January	2,625	247	106	56	298	168	187	2	28	301	140	328	29
February	2,440	320	146	121	323	152	169	6	35	416	137	413	70
March	3,345	334	161	107	424	173	166	2	43	292	155	441	45
CUMULATIVE	8,411	902	413	284	1,045	493	521	10	106	1,008	432	1,182	145
April	2,961	318	167	112	352	167	143	3	50	285	136	422	32
May	3,095	385	169	76	339	159	160	6	52	364	169	388	34
June	3,345	317	141	89	395	192	168	3	81	253	153	407	71
July	3,266	290	134	53	433	123	105	2	49	255	157	439	48
August	2,793	265	105	64	387	148	124	2	87	545	144	415	78
September	2,734	236	100	50	358	146	84	2	71	284	93	455	22
October	2,866	243	117	41	346	125	120	3	51	461	122	406	59
November	2,816	197	138	49	347	138	131	2	49	432	123	428	52
December	2,956	178	195	41	389	127	150	2	95	459	187	397	130
ANNUAL	35,242	3,331	1,679	860	4,391	1,817	1,707	37	691	4,346	1,716	4,939	671
1988													
January	2,653	154	129	51	320	138	195	3	80	415	177	428	64
February	2,923	180	125	53	369	117	122	2	79	469	169	483	101
March	3,151	185	168	55	398	188	170	2	181	547	253	491	84
CUMULATIVE	8,727	519	422	159	1,087	443	487	8	341	1,431	599	1,401	250
April													
May													
June													
July													
August													
September													
October													
November													
December													
% Change Month	7.8	2.8	34.4	3.8	7.9	60.7	39.3	.0	129.1	16.6	49.7	1.7	-16.8
% Change Month 88 vs. 87	-5.8	-44.6	4.3	-48.6	-6.1	8.7	2.4	.0	320.9	87.3	63.2	11.3	86.7
% Change Cumulative	3.8	-42.5	2.2	-44.0	4.0	-10.1	-6.5	-20.0	221.7	42.0	38.7	18.5	72.4

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the RMA Tire Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission of their monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those developed by the Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenger service tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from factory to site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, cane and rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, baggage, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tractors. This category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by the U.S. government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the exception of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data is listed by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign countries into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

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7/5/88

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RMA Industry Report

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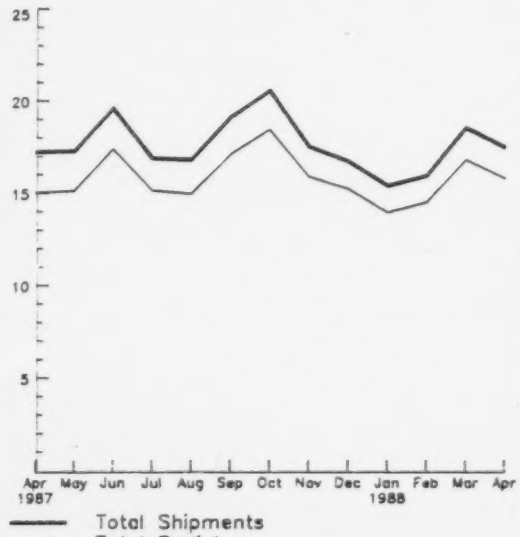
RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

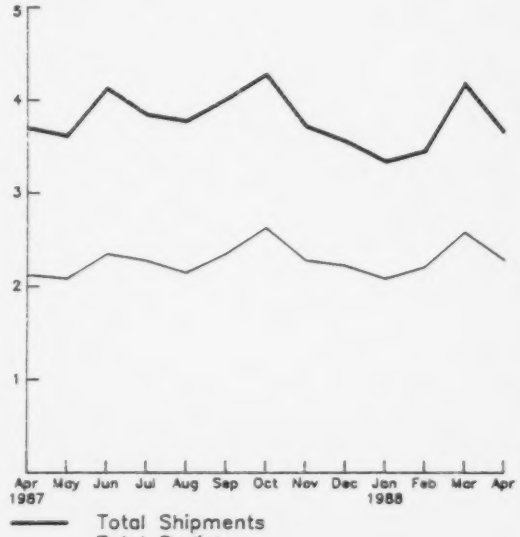
MONTHLY TIRE REPORT — APRIL 1988

This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies. Figures presented represent 100% of the domestic U.S. tire market.

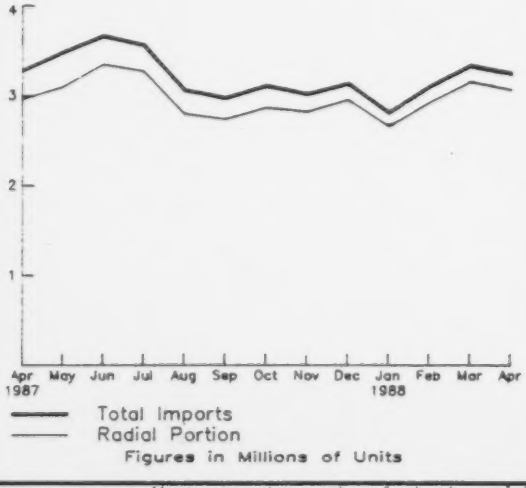
PASSENGER TIRE SHIPMENTS



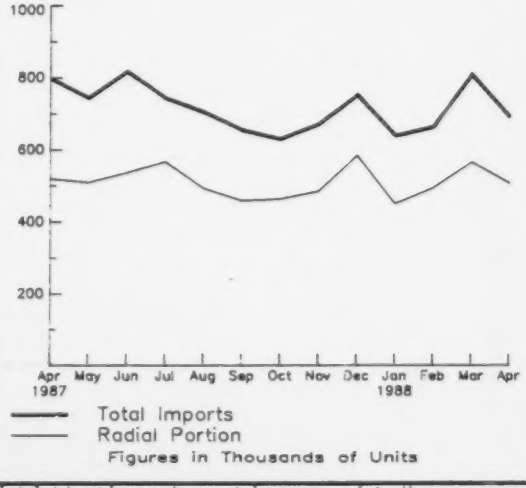
TRUCK & BUS TIRE SHIPMENTS



PASSENGER TIRE IMPORTS



TRUCK & BUS TIRE IMPORTS



Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for thirteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. March 1988 total shipments are up 1% from March 1987 for passenger tires and down 1% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1987, passenger tire imports increased 127.7%, and truck and bus tire imports grew by 137.3%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 06/23/88

PASSENGER TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	4,838	4,081	10,494	9,327	369	316	15,701	13,724	13,940	12,074	29,387	25,778
	FEBRUARY	4,889	4,138	10,001	8,825	498	423	15,388	13,386	13,896	12,047	31,237	27,432
	MARCH	5,321	4,520	11,470	10,173	418	367	17,209	15,060	14,779	12,761	32,761	28,803
	APRIL	4,699	3,956	12,195	10,789	427	380	17,321	15,125	13,911	12,091	32,173	28,398
	PREV YTD	19,747	16,695	44,159	39,115	1,712	1,486	65,618	57,296	56,525	48,973	32,173	28,398
	MAY	4,687	3,955	12,218	10,871	470	406	17,375	15,232	13,484	11,861	32,556	28,834
	JUNE	4,472	3,800	14,703	13,242	533	454	19,707	17,496	13,709	12,049	30,503	27,036
	JULY	2,987	2,572	13,483	12,206	507	446	16,977	15,224	13,011	11,556	30,256	26,777
	AUGUST	3,709	3,168	12,701	11,427	481	434	16,891	15,030	13,877	12,466	30,477	27,175
	SEPTEMBER	4,328	3,698	14,339	13,019	541	477	19,209	17,193	14,017	12,497	29,217	26,164
	OCTOBER	5,038	4,267	15,045	13,771	570	502	20,654	18,540	15,605	14,008	27,665	24,882
	NOVEMBER	4,348	3,746	12,682	11,735	556	474	17,586	15,956	13,678	12,285	26,996	24,246
	DECEMBER	3,597	3,086	12,563	11,663	618	536	16,777	15,285	13,615	12,131	27,432	24,507
	PREV TOT	52,913	44,988	151,892	137,048	5,987	5,215	210,792	187,251	167,522	147,825	27,432	24,507
1988	JANUARY	4,040	3,428	10,648	9,920	775	672	15,463	14,019	14,386	12,994	29,893	26,835
	FEBRUARY	4,335	3,700	10,789	10,082	896	802	16,021	14,584	14,893	13,427	32,239	28,982
	MARCH	4,937	4,209	12,746	11,857	954	834	18,637	16,900	15,872	14,311	33,008	29,747
	APRIL	4,823	4,096	11,925	11,105	801	671	17,549	15,872	14,618	13,198	33,420	30,277
	CURR YTD	18,135	15,433	46,108	42,963	3,426	2,978	67,670	61,375	59,769	53,931	33,420	30,277
	MAY												
	JUNE												
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-2.3	-2.7	-6.4	-6.3	-16.1	-19.5	-5.8	-6.1	-7.9	-7.8	1.2	1.8
	PREV/CURR	2.6	3.5	-2.2	2.9	87.5	76.6	1.3	4.9	5.1	9.2	3.9	6.6
	YTD CHG	-8.2	-7.6	4.4	9.8	100.1	100.4	3.1	7.1	5.7	10.1	2.4	4.9

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 06/23/88

TRUCK AND BUS TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	643	453	2,387	1,242	121	86	3,151	1,781	2,939	1,604	6,936	3,996
	FEBRUARY	604	428	2,414	1,234	159	112	3,177	1,774	2,697	1,418	7,428	4,327
	MARCH	698	491	2,665	1,398	167	118	3,530	2,007	2,954	1,577	7,912	4,614
	APRIL	709	496	2,829	1,512	163	109	3,701	2,117	2,769	1,521	7,789	4,583
	PREV YTD	2,654	1,867	10,295	5,386	610	426	13,559	7,679	11,359	6,121	7,789	4,583
	MAY	*713	501	2,731	1,463	162	111	3,606	2,076	3,498	2,304	7,756	4,603
	JUNE	673	450	3,281	1,772	168	124	4,122	2,346	2,839	1,607	7,369	4,449
	JULY	618	420	3,048	1,733	169	117	3,834	2,269	2,785	1,559	7,088	4,311
	AUGUST	607	419	2,981	1,591	176	130	3,765	2,140	2,846	1,612	7,024	4,385
	SEPTEMBER	641	444	3,178	1,767	190	141	4,009	2,351	3,187	1,826	7,017	4,437
	OCTOBER	740	521	3,322	1,955	211	152	4,272	2,628	3,351	1,897	6,874	4,270
	NOVEMBER	618	448	2,902	1,684	192	140	3,712	2,273	2,777	1,608	6,706	4,149
	DECEMBER	580	425	2,778	1,649	191	142	3,549	2,216	2,813	1,642	6,906	4,314
	PREV TOT	7,845	5,495	34,514	19,000	2,069	1,483	44,428	25,977	35,455	20,176	6,906	4,314
1988	JANUARY	673	485	2,413	1,400	246	189	3,332	2,075	2,959	1,770	7,154	4,412
	FEBRUARY	730	538	2,454	1,468	267	200	3,451	2,206	3,134	1,879	7,665	4,699
	MARCH	815	602	3,001	1,684	355	294	4,171	2,580	3,433	2,060	7,729	4,719
	APRIL	783	575	2,576	1,476	292	228	3,651	2,280	3,024	1,875	7,729	4,784
	CURR YTD	3,001	2,201	10,444	6,028	1,160	911	14,605	9,141	12,549	7,584	7,729	4,784
	MAY												
	JUNE												
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-4.0	-4.5	-14.2	-12.3	-17.6	-22.5	-12.5	-11.6	-11.9	-9.0		1.4
	PREV/CURR	10.4	16.0	-9.0	-2.4	79.3	109.6	-1.4	7.7	9.2	23.2	-0.8	4.4
	YTD CHG	13.1	17.9	1.4	11.9	90.0	114.0	7.7	19.0	10.5	23.9	0.7	6.2

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 06/23/88

MOBILE HOME TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	34		6				40		44		81	
	FEBRUARY	33		3				36		37		78	
	MARCH	61		15				76		35		58	
	APRIL	66		9				74		51		40	
	PREV YTD	194		33				227		166		40	
	MAY	76		8				84		74		40	
	JUNE	72		7				79		77		42	
	JULY	72		19				91		82		54	
	AUGUST	62		10				72		76		66	
	SEPTEMBER	72		7				79		67		53	
	OCTOBER	77		7				84		83		87	
	NOVEMBER	57		11				68		62		92	
	DECEMBER	39		5				45		47		95	
	PREV TOT	722		107				829		735		95	
1988	JANUARY	39		8				47		39		89	
	FEBRUARY	38		5				44		44		88	
	MARCH	64						64		62		92	
	APRIL	65		5				70		74		106	
	CURR YTD	206		18				224		218		106	
	MAY												
	JUNE												
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	1.4		2952.9				9.4		20.1		14.7	
	PREV/CURR	-1.5		-38.8				-5.8		45.9		163.3	
	YTD CHG	6.2		-44.7		-67.4		-1.2		31.3		46.0	

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 06/23/88

TRACTOR IMPLEMENT TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	41	1	202	8	18	1	261	10	253	7	732	32
	FEBRUARY	46	3	223	8	18	1	287	12	246	8	706	29
	MARCH	46	2	220	9	24	1	291	12	267	10	701	27
	APRIL	51	3	261	8	20	1	332	12	262	10	645	26
	PREV YTD	184	10	906	34	80	2	1,170	46	1,028	35	645	26
	MAY	42	2	226	5	15	1	283	8	248	11	630	29
	JUNE	51	4	237	3	19	2	307	9	245	10	590	30
	JULY	55	4	235	2	14	1	304	7	234	8	540	31
	AUGUST	51	3	224	4	15		289	7	237	6	528	30
	SEPTEMBER	57	3	247	6	19	1	322	10	264	8	509	27
	OCTOBER	58	4	211	6	18	1	287	11	296	8	553	24
	NOVEMBER	48	2	186	6	23	1	257	10	249	7	599	21
	DECEMBER	50	3	185	8	25	1	260	12	255	9	640	18
	PREV TOT	595	34	2,658	73	226	11	3,480	119	3,054	101	640	18
1988	JANUARY	58	5	215	7	30	1	303	14	275	10	696	15
	FEBRUARY	51	3	253	10	26	1	330	14	271	13	669	15
	MARCH	66	6	286	12	28	1	380	19	315	15	646	12
	APRIL	59	6	261	7	22	1	342	15	305	14	649	12
	CURR YTD	234	20	1,015	36	106	5	1,355	61	1,165	53	649	12
	MAY												
	JUNE												
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-10.5	12.0	-8.9	-38.4	-20.6	2.4	-10.0	-20.4	-3.3	-2.5	0.5	3.9
	PREV/CURR	16.1	115.8		-13.1	10.2	169.7	3.1	26.7	16.3	41.9	0.6	-52.3
	YTD CHG	27.0	101.9	12.0	8.2	33.1	98.2	15.8	33.0	13.4	49.8	-4.4	-52.3

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 06/23/88

INDUSTRIAL AND UTILITY TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	736	1	215	1	17		967	2	725	3	2,079	29
	FEBRUARY	715	1	175	2	15		905	3	768	5	1,998	30
	MARCH	740	1	179	2	25		944	2	829		1,911	28
	APRIL	758	1	185	3	24		966	4	768		1,724	17
	PREV YTD	2,949	3	753	8	80	1	3,783	11	3,090	8	1,724	17
	MAY	694	1	188	1	19		901	2	755	1	1,615	16
	JUNE	605		186	2	24	1	815	3	742	1	1,530	15
	JULY	337		125	2	25		488	3	517		1,524	15
	AUGUST	457		186	2	17		660	2	776		1,545	15
	SEPTEMBER	611		164	2	25		800	2	809		1,499	15
	OCTOBER	553		240	2	18		811	2	952		1,609	14
	NOVEMBER	498		183	1	15		696	1	793		1,651	14
	DECEMBER	455		163	2	25		643	2	766	1	1,761	16
	PREV TOT	7,160	4	2,189	22	249	2	9,598	29	9,202	12	1,761	16
1988	JANUARY	569		222	2	20		810	3	725	1	1,635	16
	FEBRUARY	583		212	2	20		814	2	762		1,539	15
	MARCH	666		173	2	36		874	2	816		1,417	14
	APRIL	599		156	1	20		775	2	703	1	1,574	6
	CURR YTD	2,416	1	762	7	96	1	3,274	8	3,006	2	1,574	6
	MAY												
	JUNE												
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-10.0	29.7	-10.0	-17.9	-43.2	-98.6	-11.3	-22.0	-13.8	595.0	11.1	-58.8
	PREV/CURR	-20.9	-57.6	-15.6	-52.8	-15.5	-97.6	-19.8	-55.1	-8.5	2826.3	-8.7	-65.6
	YTD CHG	-18.1	-65.1	1.2	-16.1	18.8	38.6	-13.4	-25.7	-2.7	-70.5	-20.1	-51.0

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

INNER TUBES

		PASSENGER/ MOTORCYCLE		TRUCK & BUS		TRACTOR IMPLEMENT		INDUSTRIAL/ UTILITY	
		SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN
1987	JANUARY	472	563	1,150	1,009	174	165	184	98
	FEBRUARY	487	462	1,106	952	194	162	158	123
	MARCH	521	450	1,184	1,028	215	174	152	139
	APRIL	465	398	1,173	965	271	210	172	92
	PREV YTD	1,945	1,873	4,612	3,954	854	711	666	453
	MAY	456	390	1,144	929	229	220	154	118
	JUNE	559	466	1,403	993	283	254	198	119
	JULY	403	311	1,094	736	191	164	146	98
	AUGUST	470	600	1,112	1,207	239	364	166	130
	SEPTEMBER	600	529	1,364	1,041	295	270	172	112
	OCTOBER	589	468	1,380	929	238	216	165	115
	NOVEMBER	429	300	1,138	746	200	139	110	97
	DECEMBER	437	314	1,072	778	189	134	112	94
	PREV TOT	5,889	5,250	14,320	11,313	2,718	2,472	1,889	1,336
1988	JANUARY	443	324	1,105	825	213	187	212	111
	FEBRUARY	481	390	1,063	1,027	242	230	154	151
	MARCH	548	562	1,186	1,058	257	266	178	136
	APRIL	402	477	1,110	837	266	259	179	129
	CURR YTD	1,874	1,752	4,464	3,747	977	942	724	526
	MAY								
	JUNE								
	JULY								
	AUGUST								
	SEPTEMBER								
	OCTOBER								
	NOVEMBER								
	DECEMBER								
	PREV MTH	-26.7	-15.1	-6.4	-20.9	3.7	-2.5	0.5	-5.2
	PREV/CURR	-13.5	19.8	-5.4	-13.3	-1.7	23.3	4.5	39.3
	YTD CHG	-3.6	-6.5	-3.2	-5.2	14.5	32.5	8.7	16.2

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES			
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025	772.5900
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airpiane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes	Farm Tubes
1987													
January	2,625	247	106	56	298	168	187	2	28	301	140	328	29
February	2,440	320	146	121	323	152	169	6	35	416	137	413	70
March	3,345	334	161	107	424	173	166	2	43	292	155	441	45
April	2,961	318	167	112	352	167	143	3	50	285	136	422	32
CUMULATIVE	11,371	1,220	580	396	1,398	660	664	14	156	1,293	569	1,604	177
May	3,095	385	169	76	339	159	160	6	52	364	169	388	34
June	3,345	317	141	89	395	192	168	3	81	253	153	407	71
July	3,266	290	134	53	433	123	105	2	49	255	157	439	48
August	2,793	265	105	64	387	148	124	2	87	545	144	415	78
September	2,734	236	100	50	358	146	84	2	71	284	93	455	22
October	2,866	243	117	41	346	125	120	3	51	461	122	406	59
November	2,816	197	138	49	347	138	131	2	49	432	123	428	52
December	2,956	178	195	41	389	127	150	2	95	459	187	397	130
ANNUAL	35,242	3,331	1,679	860	4,391	1,817	1,707	37	691	4,346	1,716	4,939	671
1988													
January	2,653	154	129	51	320	138	195	3	80	415	177	428	64
February	2,923	180	125	53	369	117	122	2	79	469	169	483	101
March	3,151	185	168	55	398	188	170	2	181	547	253	491	84
April	3,059	183	159	56	348	128	202	2	70	456	139	616	80
CUMULATIVE	11,786	702	581	215	1,435	571	689	10	411	1,887	738	2,018	330
May													
June													
July													
August													
September													
October													
November													
December													
% Change Month	-2.9	-1.1	-5.4	1.8	-12.6	-31.9	18.8	.0	-61.3	-16.6	-45.1	25.5	-4.8
% Change Month 88 vs. 87	3.3	-42.5	-4.8	-50.0	-1.1	-23.4	41.3	-33.3	40.0	60.0	2.2	46.0	150.0
% Change Cumulative	3.6	-42.5	.2	-45.7	2.6	-13.5	3.8	-28.6	163.5	45.9	29.7	25.8	86.4

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the RMA Tire Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission of their monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those developed by the Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenger service tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from factory to site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, cane and rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, baggage, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tractors. This category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by the U.S. government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the exception of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data is listed by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign countries into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

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7/27/88 A8810-1

RMA Industry Report

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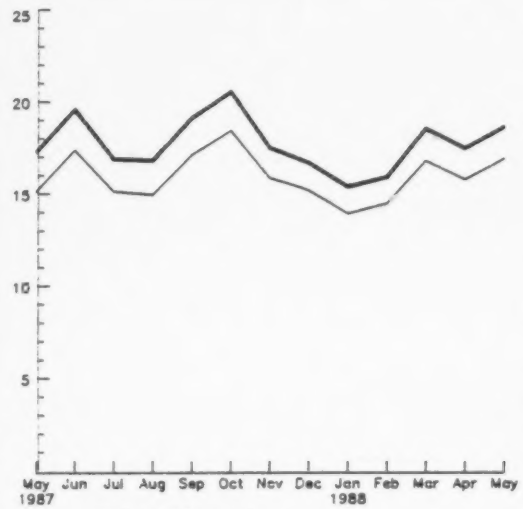
RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

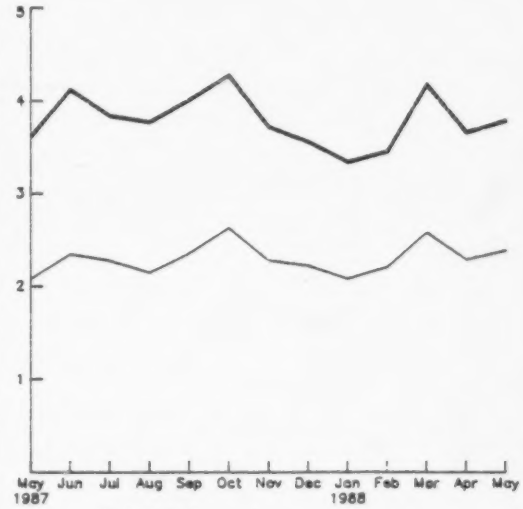
MONTHLY TIRE REPORT — MAY 1988

This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies. Figures presented represent 100% of the domestic U.S. tire market.

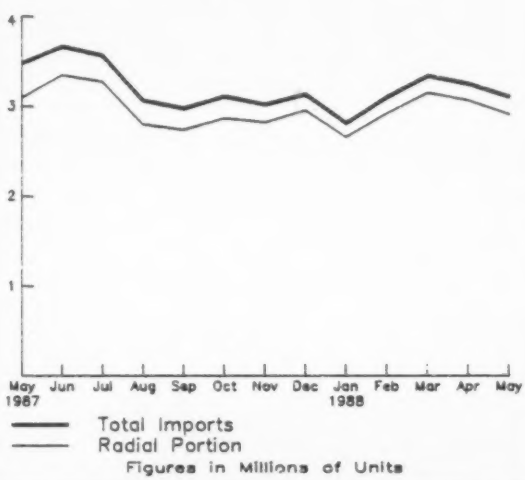
PASSENGER TIRE SHIPMENTS



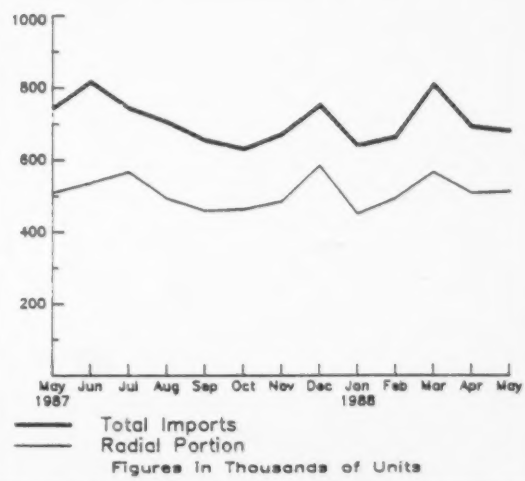
TRUCK & BUS TIRE SHIPMENTS



PASSENGER TIRE IMPORTS



TRUCK & BUS TIRE IMPORTS



Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for thirteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. May 1988 total shipments are up 8% from May 1987 for passenger tires and up 5% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1987, passenger tire imports increased 127.7%, and truck and bus tire imports grew by 137.3%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 07/22/88

PASSENGER TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	4,838	4,081	10,494	9,327	369	316	15,701	13,724	13,940	12,074	29,387	25,778
FEBRUARY	4,889	4,138	10,001	8,825	498	423	15,388	13,386	13,896	12,047	31,237	27,432
MARCH	5,321	4,520	11,470	10,173	418	367	17,209	15,060	14,779	12,761	32,761	28,803
APRIL	4,699	3,956	12,195	10,789	427	380	17,321	15,125	13,911	12,091	32,173	28,398
MAY	4,687	3,955	12,218	10,871	470	406	17,375	15,232	13,484	11,861	32,556	28,834
PREV YTD	24,434	20,650	56,377	49,985	2,181	1,892	82,992	72,527	70,009	60,834	32,556	28,834
JUNE	4,472	3,800	14,703	13,242	533	454	19,707	17,496	13,709	12,049	30,503	27,036
JULY	2,987	2,572	13,483	12,206	507	446	16,977	15,224	13,011	11,556	30,256	26,777
AUGUST	3,709	3,168	12,701	11,427	481	434	16,891	15,030	13,877	12,466	30,477	27,175
SEPTEMBER	4,328	3,698	14,339	13,019	541	477	19,209	17,193	14,017	12,497	29,217	26,164
OCTOBER	5,038	4,267	15,045	13,771	570	502	20,654	18,540	15,605	14,008	27,665	24,882
NOVEMBER	4,348	3,746	12,682	11,735	556	474	17,586	15,956	13,678	12,285	26,996	24,246
DECEMBER	3,597	3,086	12,563	11,663	618	536	16,777	15,285	13,615	12,131	27,432	24,507
PREV TOT	52,913	44,988	151,892	137,048	5,987	5,215	210,792	187,251	167,522	147,825	27,432	24,507
JANUARY	4,040	3,428	10,648	9,920	775	672	15,463	14,019	14,386	12,994	29,893	26,835
FEBRUARY	4,335	3,700	10,789	10,082	896	802	16,021	14,584	14,893	13,427	32,239	28,982
MARCH	4,937	4,209	12,746	11,857	954	834	18,637	16,900	15,872	14,311	33,008	29,747
APRIL	4,823	4,096	11,925	11,105	801	671	17,549	15,872	14,618	13,198	33,420	30,277
MAY	5,197	4,415	12,862	11,983	695	621	18,754	17,019	14,438	13,086	32,514	29,515
CURR YTD	23,332	19,848	58,971	54,946	4,121	3,599	86,424	78,394	74,207	67,017	32,514	29,515
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	7.7	7.8	7.9	7.9	-13.2	-7.4	6.9	7.2	-1.2	-0.9	-2.7	-2.5
PREV/CURR	10.9	11.6	5.3	10.2	47.9	53.0	7.9	11.7	7.1	10.3	-0.1	2.4
YTD CHG	-4.5	-3.9	4.6	9.9	88.9	90.2	4.1	8.1	6.0	10.2	1.9	4.4

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 07/22/88

TRUCK AND BUS TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	643	453	2,387	1,242	121	86	3,151	1,781	2,939	1,604	6,936	3,996
FEBRUARY	604	428	2,414	1,234	159	112	3,177	1,774	2,697	1,418	7,428	4,327
MARCH	698	491	2,665	1,398	167	118	3,530	2,007	2,954	1,577	7,912	4,614
APRIL	709	496	2,829	1,512	163	109	3,701	2,117	2,769	1,521	7,789	4,583
MAY	713	501	2,731	1,463	162	111	3,606	2,076	3,498	2,304	7,756	4,603
PREV YTD	3,367	2,368	13,026	6,850	772	537	17,165	9,755	14,857	8,425	7,756	4,603
JUNE	673	450	3,281	1,772	168	124	4,122	2,346	2,839	1,607	7,369	4,449
JULY	618	420	3,048	1,733	169	117	3,834	2,269	2,785	1,559	7,088	4,311
AUGUST	607	419	2,981	1,591	176	130	3,765	2,140	2,846	1,612	7,024	4,385
SEPTEMBER	641	444	3,178	1,767	190	141	4,009	2,351	3,187	1,826	7,017	4,437
OCTOBER	740	521	3,322	1,955	211	152	4,272	2,628	3,351	1,897	6,874	4,270
NOVEMBER	618	448	2,902	1,684	192	140	3,712	2,273	2,777	1,608	6,706	4,149
DECEMBER	580	425	2,778	1,649	191	142	3,549	2,216	2,813	1,642	6,906	4,314
PREV TOT	7,845	5,495	34,514	19,000	2,069	1,483	44,428	25,977	35,455	20,176	6,906	4,314
JANUARY	673	485	2,413	1,400	246	189	3,332	2,075	2,959	1,770	7,154	4,412
FEBRUARY	730	538	2,454	1,468	267	200	3,451	2,206	3,134	1,879	7,665	4,699
MARCH	822	609	2,994	1,677	355	294	4,171	2,580	3,433	2,060	7,729	4,719
APRIL	783	575	2,576	1,476	292	228	3,651	2,280	3,024	1,875	7,729	4,784
MAY	813	597	2,697	1,576	275	211	3,785	2,385	2,965	1,827	7,645	4,781
CURR YTD	3,822	2,806	13,133	7,597	1,435	1,122	18,390	11,525	15,514	9,411	7,645	4,781
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	3.9	3.8	4.7	6.8	-5.9	-7.3	3.7	4.6	-1.9	-2.5	-1.1	-0.1
PREV/CURR	14.1	19.2	-1.3	7.7	69.9	89.6	5.0	14.9	-15.2	-20.7	-1.4	3.9
YTD CHG	13.5	18.5	0.8	10.9	85.8	108.9	7.1	18.1	4.4	11.7	0.3	5.7

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 07/22/88

MOBILE HOME TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	34		6				40		44		81	
FEBRUARY	33		3				36		37		78	
MARCH	61		15				76		35		58	
APRIL	66		9				74		51		40	
MAY	76		8				84		74		40	
PREV YTD	270		41				311		241		40	
JUNE	72		7				79		77		42	
JULY	72		19				91		82		54	
AUGUST	62		10				72		76		66	
SEPTEMBER	72		7				79		67		53	
OCTOBER	77		7				84		83		87	
NOVEMBER	57		11				68		62		92	
DECEMBER	39		5				45		47		95	
PREV TOT	722		107				829		735		95	
JANUARY	39		8				47		39		89	
FEBRUARY	38		5				44		44		88	
MARCH	64						64		62		92	
APRIL	65		5				70		74		106	
MAY	86						86		63		90	
CURR YTD	292		18				310		281		90	
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	32.3		-98.2				22.4		-14.7		-15.1	
PREV/CURR	12.6		-98.8				2.5		-15.4		125.0	
YTD CHG	8.0		-54.8		-67.4		-0.2		16.8		56.6	

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 07/22/88

TRACTOR IMPLEMENT TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	41	1	202	8	18	1	261	10	253	7	732	32
FEBRUARY	46	3	223	8	18	1	287	12	246	8	706	29
MARCH	46	2	220	9	24	1	291	12	267	10	701	27
APRIL	51	3	261	8	20	1	332	12	262	10	645	26
MAY	42	2	226	5	15	1	283	8	248	11	630	29
PREV YTD	226	12	1,133	38	94	3	1,453	54	1,276	46	630	29
JUNE	51	4	237	3	19	2	307	9	245	10	590	30
JULY	55	4	235	2	14	1	304	7	234	8	540	31
AUGUST	51	3	224	4	15		289	7	237	6	528	30
SEPTEMBER	57	3	247	6	19	1	322	10	264	8	509	27
OCTOBER	53	4	211	6	18	1	287	11	296	8	553	24
NOVEMBER	48	2	186	6	23	1	257	10	249	7	599	21
DECEMBER	50	3	185	8	25	1	260	12	255	9	640	18
PREV TOT	595	34	2,658	73	226	11	3,480	119	3,054	101	640	18
JANUARY	58	5	215	7	30	1	303	14	275	10	696	15
FEBRUARY	51	3	253	10	26	1	330	14	271	13	669	15
MARCH	66	6	286	12	28	1	380	19	315	15	646	12
APRIL	59	6	261	7	22	1	342	15	305	14	649	12
MAY	63	7	221	6	20	1	304	14	259	12	644	11
CURR YTD	297	27	1,236	42	126	6	1,659	75	1,424	65	644	11
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	7.8	15.4	-15.4	-20.1	-10.6	-52.3	-11.1	-8.4	-15.2	-16.2	-0.8	-7.7
PREV/CURR	52.3	206.9	-2.4	28.8	34.4	-22.0	7.5	76.9	4.1	11.7	2.1	-60.7
YTD CHG	31.6	122.2	9.1	10.7	33.3	66.4	14.2	39.3	11.6	40.8	-3.2	-54.0

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 07/22/88

INDUSTRIAL AND UTILITY TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	736	1	215	1	17		967	2	725	3	2,079	29
FEBRUARY	715	1	175	2	15		905	3	768	5	1,998	30
MARCH	740	1	179	2	25		944	2	829		1,911	28
APRIL	758	1	185	3	24		966	4	768		1,724	17
MAY	694	1	188	1	19		901	2	755	1	1,615	16
PREV YTD	3,644	4	941	9	99	1	4,684	13	3,845	10	1,615	16
JUNE	605		186	2	24	1	815	3	742	1	1,530	15
JULY	337		125	2	25		488	3	517		1,524	15
AUGUST	457		186	2	17		660	2	776		1,545	15
SEPTEMBER	611		164	2	25		800	2	809		1,499	15
OCTOBER	553		240	2	18		811	2	952		1,609	14
NOVEMBER	498		183	1	15		696	1	793		1,651	14
DECEMBER	455		163	2	25		643	2	766	1	1,761	16
PREV TOT	7,160	4	2,189	22	249	2	9,598	29	9,202	12	1,761	16
JANUARY	569		222	2	20		810	3	725	1	1,635	16
FEBRUARY	583		212	2	20		814	2	762		1,539	15
MARCH	666		173	2	36		874	2	816		1,417	14
APRIL	599		156	1	20		775	2	703	1	1,574	6
MAY	560		160	2	18		738	2	785	1	865	5
CURR YTD	2,976	1	922	8	114	1	4,012	11	3,790	3	865	5
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER												
PREV MTH	-6.5	-59.0	2.6	24.0	-11.4	12000.0	-4.8	34.4	11.6	-23.9	-45.1	-9.7
PREV/CURR	-19.3	-89.6	-15.1	25.0	-4.1	1715.0	-18.1	-4.8	3.8	-40.0	-46.5	-66.5
YTD CHG	-18.3	-71.0	-2.1	-9.9	14.5	98.4	-14.3	-22.1	-1.4	-66.0	-24.6	-53.0

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 07/22/88

INNER TUBES

	PASSENGER/ MOTORCYCLE		TRUCK & BUS		TRACTOR IMPLEMENT		INDUSTRIAL/ UTILITY	
	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN
JANUARY	472	563	1,150	1,009	174	165	184	98
FEBRUARY	487	462	1,106	952	194	162	158	123
MARCH	521	450	1,184	1,028	215	174	152	139
APRIL	465	398	1,173	965	271	210	172	92
MAY	456	390	1,144	929	229	220	154	118
PREV YTD	2,401	2,263	5,756	4,883	1,083	931	820	570
JUNE	559	466	1,403	993	283	254	198	119
JULY	403	311	1,094	736	191	164	146	98
AUGUST	470	600	1,112	1,207	239	364	166	130
SEPTEMBER	600	529	1,364	1,041	295	270	172	112
OCTOBER	589	468	1,380	929	238	216	165	115
NOVEMBER	429	300	1,138	746	200	139	110	97
DECEMBER	437	314	1,072	778	189	134	112	94
PREV TOT	5,889	5,250	14,320	11,313	2,718	2,472	1,889	1,336
JANUARY	443	324	1,105	825	213	187	212	111
FEBRUARY	481	390	1,063	1,027	242	230	154	151
MARCH	548	562	1,186	1,058	257	266	178	136
APRIL	402	477	1,110	837	266	259	179	129
MAY	519	381	1,107	854	262	262	173	149
CURR YTD	2,393	2,133	5,571	4,601	1,239	1,203	897	675
JUNE								
JULY								
AUGUST								
SEPTEMBER								
OCTOBER								
NOVEMBER								
DECEMBER								
PREV MTH	29.1	-20.0	-0.2	2.0	-1.7	0.9	-3.7	15.8
PREV/CURR	13.7	-2.2	-3.2	-8.1	14.1	18.9	12.2	26.6
YTD CHG	-0.3	-5.7	-3.2	-5.8	14.4	29.3	9.3	18.4

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES			
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025	772.5900
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes	Farm Tubes
1987													
January	2,625	247	106	56	298	168	187	2	28	301	140	328	29
February	2,440	320	146	121	323	152	169	6	35	416	137	413	70
March	3,345	334	161	107	424	173	166	2	43	292	155	441	45
April	2,961	318	167	112	352	167	143	3	50	285	136	422	32
May	3,095	385	169	76	339	159	160	6	52	364	169	388	34
CUMULATIVE	14,466	1,604	749	471	1,736	819	825	20	208	1,657	737	1,991	211
June	3,345	317	141	89	395	192	168	3	81	253	153	407	71
July	3,266	290	134	53	433	123	105	2	49	255	157	439	48
August	2,793	265	105	64	387	148	124	2	87	545	144	415	78
September	2,734	236	100	50	358	146	84	2	71	284	93	455	22
October	2,866	243	117	41	346	125	120	3	51	461	122	406	59
November	2,816	197	138	49	347	138	131	2	49	432	123	428	52
December	2,956	178	195	41	389	127	150	2	95	459	187	397	130
ANNUAL	35,242	3,331	1,679	860	4,391	1,817	1,707	37	691	4,346	1,716	4,939	671
1988													
January	2,653	154	129	51	320	138	195	3	80	415	177	428	64
February	2,923	180	125	53	369	117	122	2	79	469	169	483	101
March	3,151	185	168	55	398	188	170	2	181	547	253	491	84
April	3,059	183	159	56	348	128	202	2	70	456	139	616	80
May	2,907	194	159	51	354	115	201	3	127	474	115	445	88
CUMULATIVE	14,693	896	740	266	1,789	685	890	13	538	2,361	853	2,463	419
June													
July													
August													
September													
October													
November													
December													
% Change Month	-5.0	6.0	.0	-8.9	1.7	-10.2	-.5	50.0	81.4	3.9	-17.3	-27.8	10.0
% Change Month 88 vs. 87	-6.1	-49.6	-5.9	-32.9	4.4	-27.7	25.6	-50.0	144.2	30.2	-32.0	14.7	158.8
% Change Cumulative	1.6	-44.1	-1.2	-43.5	3.1	-16.4	7.9	-35.0	158.7	42.5	15.7	23.7	98.6

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those develop Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenge tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from fa site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tracto category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

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questions regarding items on this report should be directed to Management Information Services of RMA; 1400 K Street, N.W.; Washington, D.C
Telephone: (202) 682-4860.

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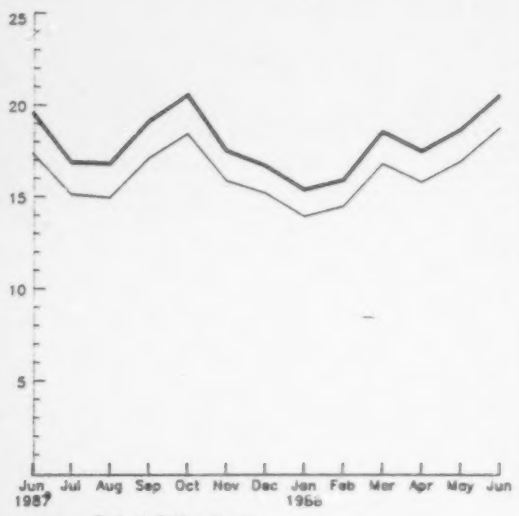
RMA Industry Report

RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

MONTHLY TIRE REPORT — JUNE 1988

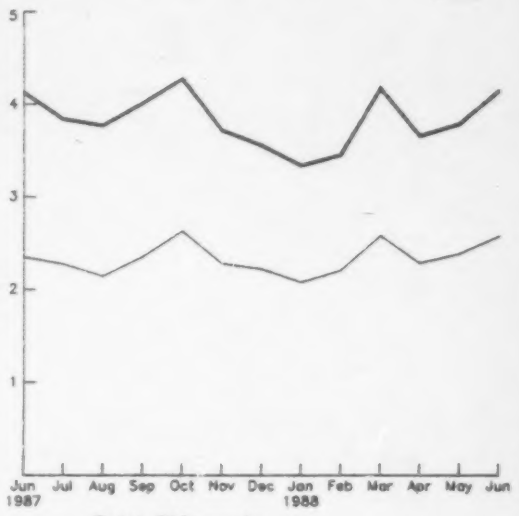
This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies. Figures presented represent 100% of the domestic U.S. tire market.

PASSENGER TIRE SHIPMENTS



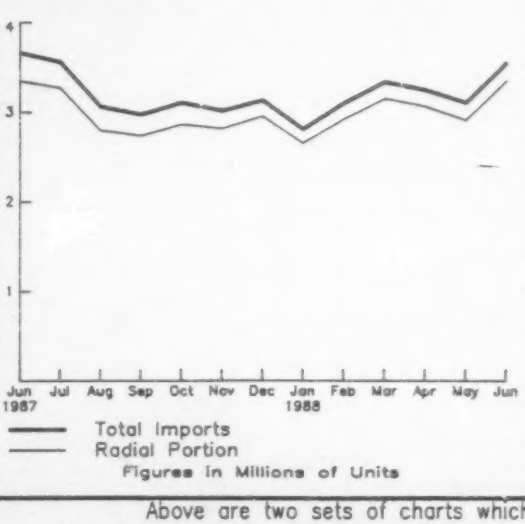
Figures in Millions of Units

TRUCK & BUS TIRE SHIPMENTS



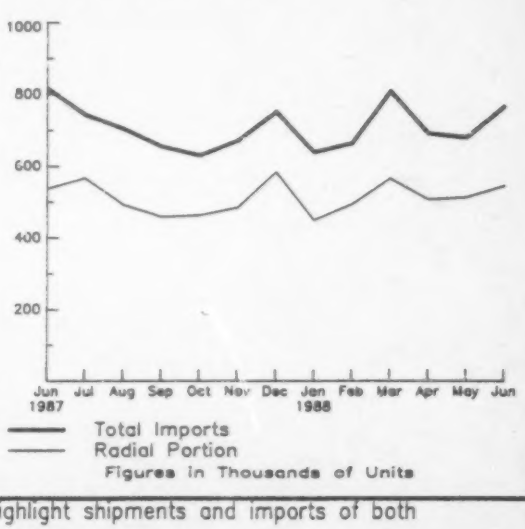
Figures in Millions of Units

PASSENGER TIRE IMPORTS



Figures in Millions of Units

TRUCK & BUS TIRE IMPORTS



Figures in Thousands of Units

Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for thirteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. June 1988 total shipments are up 5% from June 1987 for passenger tires and up 10% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1987, passenger tire imports increased 127.7%, and truck and bus tire imports grew by 137.3%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 08/23/88

PASSENGER TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987													
	JANUARY	4,838	4,081	10,494	9,327	369	316	15,701	13,724	13,940	12,074	29,387	25,778
	FEBRUARY	4,889	4,138	10,001	8,825	498	423	15,388	13,386	13,896	12,047	31,237	27,432
	MARCH	5,321	4,520	11,470	10,173	418	367	17,209	15,060	14,779	12,761	32,761	28,803
	APRIL	4,699	3,956	12,195	10,789	427	380	17,321	15,125	13,911	12,091	32,173	28,398
	MAY	4,687	3,955	12,218	10,871	470	406	17,375	15,232	13,484	11,861	32,556	28,834
	JUNE	4,472	3,800	14,703	13,242	533	454	19,707	17,496	13,709	12,049	30,503	27,036
	PREV YTD	28,906	24,450	71,080	63,227	2,714	2,346	102,700	90,023	83,718	72,884	30,503	27,036
	JULY	2,987	2,572	13,483	12,206	507	446	16,977	15,224	13,011	11,556	30,256	26,777
	AUGUST	3,709	3,168	12,701	11,427	481	434	16,891	15,030	13,877	12,466	30,477	27,175
	SEPTEMBER	4,328	3,698	14,339	13,019	541	477	19,209	17,193	14,017	12,497	29,217	26,164
	OCTOBER	5,038	4,267	15,045	13,771	570	502	20,654	18,540	15,605	14,008	27,665	24,882
	NOVEMBER	4,348	3,746	12,682	11,735	556	474	17,586	15,956	13,678	12,285	26,996	24,246
	DECEMBER	3,597	3,086	12,563	11,663	618	536	16,777	15,285	13,615	12,131	27,432	24,507
	PREV TOT	52,913	44,988	151,892	137,048	5,987	5,215	210,792	187,251	167,522	147,825	27,432	24,507
1988													
	JANUARY	4,040	3,428	10,648	9,920	775	672	15,463	14,019	14,386	12,994	29,893	26,835
	FEBRUARY	4,335	3,700	10,789	10,082	896	802	16,021	14,584	14,893	13,427	32,239	28,982
	MARCH	4,937	4,209	12,746	11,857	954	834	18,637	16,900	15,872	14,311	33,008	29,747
	APRIL	4,823	4,096	11,925	11,105	801	671	17,549	15,872	14,618	13,198	33,420	30,277
	MAY	5,197	4,415	12,862	11,983	695	621	18,754	17,019	14,438	13,086	32,514	29,515
	JUNE	4,940	4,244	14,961	13,966	719	635	20,619	18,845	14,883	13,581	30,617	27,877
	CURR YTD	28,272	24,092	73,932	68,912	4,840	4,234	107,043	97,238	89,090	80,598	30,617	27,877
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-4.9	-3.9	16.3	16.5	3.4	2.2	9.9	10.7	3.1	3.8	-5.8	-5.5
	PREV/CURR	10.5	11.7	1.8	5.5	34.9	39.8	4.6	7.7	8.6	12.7	0.4	3.1
	YTD CHG	-2.2	-1.5	4.0	9.0	78.3	80.5	4.2	8.0	6.4	10.6	1.6	4.2

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 08/23/88

TRUCK AND BUS TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACEMENT	REPLACEMENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUCTION	PRODUCTION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987													
	JANUARY	643	453	2,387	1,242	121	86	3,151	1,781	2,939	1,604	6,936	3,996
	FEBRUARY	604	428	2,414	1,234	159	112	3,177	1,774	2,697	1,418	7,428	4,327
	MARCH	698	491	2,665	1,398	167	118	3,530	2,007	2,954	1,577	7,912	4,614
	APRIL	709	496	2,829	1,512	163	109	3,701	2,117	2,769	1,521	7,789	4,583
	MAY	713	501	2,731	1,463	162	111	3,606	2,076	3,498	2,304	7,756	4,603
	JUNE	673	450	3,281	1,772	168	124	4,122	2,346	2,839	1,607	7,369	4,449
	PREV YTD	4,040	2,818	16,306	8,622	941	662	21,287	12,101	17,696	10,032	7,369	4,449
	JULY	618	420	3,048	1,733	169	117	3,834	2,269	2,785	1,559	7,088	4,311
	AUGUST	607	419	2,981	1,591	176	130	3,765	2,140	2,846	1,612	7,024	4,385
	SEPTEMBER	641	444	3,178	1,767	190	141	4,009	2,351	3,187	1,826	7,017	4,437
	OCTOBER	740	521	3,322	1,955	211	152	4,272	2,628	3,351	1,897	6,874	4,270
	NOVEMBER	618	448	2,902	1,684	192	140	3,712	2,273	2,777	1,608	6,706	4,149
	DECEMBER	580	425	2,778	1,649	191	142	3,549	2,216	2,813	1,642	6,906	4,314
	PREV TOT	7,845	5,495	34,514	19,000	2,069	1,483	44,428	25,977	35,455	20,176	6,906	4,314
1988													
	JANUARY	673	485	2,413	1,400	246	189	3,332	2,075	2,959	1,770	7,154	4,412
	FEBRUARY	730	538	2,454	1,468	267	200	3,451	2,206	3,134	1,879	7,665	4,699
	MARCH	822	609	2,994	1,677	355	294	4,171	2,580	3,433	2,060	7,729	4,719
	APRIL	783	575	2,576	1,476	292	228	3,651	2,280	3,024	1,875	7,729	4,784
	MAY	813	597	2,697	1,576	275	211	3,785	2,385	2,965	1,827	7,645	4,781
	JUNE	778	573	3,094	1,786	273	214	4,145	2,573	3,058	1,865	7,359	4,645
	CURR YTD	4,599	3,379	16,227	9,383	1,708	1,337	22,535	14,098	18,572	11,276	7,359	4,645
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-4.4	-4.0	14.7	13.3	-0.6	1.5	9.5	7.9	3.1	2.1	-3.7	-2.9
	PREV/CURR	15.6	27.4	-5.7	0.8	62.4	72.3	0.6	9.7	7.7	16.1	-0.1	4.4
	YTD CHG	13.8	19.9	-0.5	8.8	81.6	102.0	5.9	16.5	5.0	12.4	0.2	5.5

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 08/23/88

MOBILE HOME TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987													
	JANUARY	34		6				40		44		81	
	FEBRUARY	33		3				36		37		78	
	MARCH	61		15				76		35		58	
	APRIL	66		9				74		51		40	
	MAY	76		8				84		74		40	
	JUNE	72		7				79		77		42	
	PREV YTD	342		47				389		317		42	
	JULY	72		19				91		82		54	
	AUGUST	62		10				72		76		66	
	SEPTEMBER	72		7				79		67		53	
	OCTOBER	77		7				84		83		87	
	NOVEMBER	57		11				68		62		92	
	DECEMBER	39		5				45		47		95	
	PREV TOT	722		107				829		735		95	
1988													
	JANUARY	39		8				47		39		89	
	FEBRUARY	38		5				44		44		88	
	MARCH	64						64		62		92	
	APRIL	65		5				70		74		106	
	MAY	86						86		63		90	
	JUNE	84						84		68		86	
	CURR YTD	375		18				394		350		86	
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-2.4		33.7				-2.4		8.7		-4.5	
	PREV/CURR	16.0		-98.1		-		6.4		-10.6		102.9	
	YTD CHG	9.7		-60.9		-67.4		1.1		10.2		62.3	

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 08/23/88

TRACTOR IMPLEMENT TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987													
	JANUARY	41	1	202	8	18	1	261	10	253	7	732	32
	FEBRUARY	46	3	223	8	18	1	287	12	246	8	706	29
	MARCH	46	2	220	9	24	1	291	12	267	10	701	27
	APRIL	51	3	261	8	20	1	332	12	262	10	645	26
	MAY	42	2	226	5	15	1	283	8	248	11	630	29
	JUNE	51	4	237	3	19	2	307	9	245	10	590	30
	PREV YTD	277	16	1,370	41	113	5	1,760	62	1,520	56	590	30
	JULY	55	4	235	2	14	1	304	7	234	8	540	31
	AUGUST	51	3	224	4	15		289	7	237	6	528	30
	SEPTEMBER	57	3	247	6	19	1	322	10	264	8	509	27
	OCTOBER	58	4	211	6	18	1	287	11	296	8	553	24
	NOVEMBER	48	2	186	6	23	1	257	10	249	7	599	21
	DECEMBER	50	3	185	8	25	1	260	12	255	9	640	18
	PREV TOT	595	34	2,658	73	226	11	3,480	119	3,054	101	640	18
1988													
	JANUARY	58	5	215	7	30	1	303	14	275	10	696	15
	FEBRUARY	51	3	253	10	26	1	330	14	271	13	669	15
	MARCH	66	6	286	12	28	1	380	19	315	15	646	12
	APRIL	59	6	261	7	22	1	342	15	305	14	649	12
	MAY	63	7	221	6	20	1	304	14	259	12	644	11
	JUNE	58	6	215	4	17	1	290	12	274	14	660	14
	CURR YTD	355	33	1,450	47	143	7	1,948	86	1,697	79	660	14
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-8.3	-16.6	-2.8	-23.7	-14.8	63.3	-4.8	-15.6	5.8	15.6	2.6	22.5
	PREV/CURR	14.3	47.2	-9.6	61.3	-9.5	-43.1	-5.6	31.4	11.9	41.1	11.9	-54.0
	YTD CHG	28.5	103.4	5.9	14.1	26.2	25.6	10.7	38.2	11.6	40.9	-1.0	-54.0

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 08/23/88

INDUSTRIAL AND UTILITY TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987													
	JANUARY	736	1	215	1	17		967	2	725	3	2,079	29
	FEBRUARY	715	1	175	2	15		905	3	768	5	1,998	30
	MARCH	740	1	179	2	25		944	2	829		1,911	28
	APRIL	758	1	185	3	24		966	4	768		1,724	17
	MAY	694	1	188	1	19		901	2	755	1	1,615	16
	JUNE	605		186	2	24	1	815	3	742	1	1,530	15
	PREV YTD	4,248	4	1,127	11	124	1	5,499	16	4,588	10	1,530	15
	JULY	337		125	2	25		488	3	517		1,524	15
	AUGUST	457		186	2	17		660	2	776		1,545	15
	SEPTEMBER	611		164	2	25		800	2	809		1,499	15
	OCTOBER	553		240	2	18		811	2	952		1,609	14
	NOVEMBER	498		183	1	15		696	1	793		1,651	14
	DECEMBER	455		163	2	25		643	2	766	1	1,761	16
	PREV TOT	7,160	4	2,189	22	249	2	9,598	29	9,202	12	1,761	16
1988													
	JANUARY	569		222	2	20		810	3	725	1	1,635	16
	FEBRUARY	583		212	2	20		814	2	762		1,539	15
	MARCH	666		173	2	36		874	2	816		1,417	14
	APRIL	599		156	1	20		775	2	703	1	1,574	6
	MAY	560		160	2	18		738	2	785	1	865	5
	JUNE	361		191	2	22		574	2	780		1,051	5
	CURR YTD	3,337	1	1,113	10	135	1	4,586	12	4,571	3	1,051	5
	JULY												
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-35.6	-84.9	19.6	-14.0	21.9	-86.5	-22.3	-29.0	-0.5	-99.9	21.5	-9.2
	PREV/CURR	-40.4	-92.6	2.8	-20.2	-10.7	-90.6	-29.6	-39.6	5.1	-99.8	-31.3	-67.3
	YTD CHG	-21.4	-72.1	-1.2	-11.6	9.5	7.5	-16.6	-24.9	-0.4	-67.8	-25.6	-54.6

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 08/23/88

INNER TUBES

		PASSENGER/ MOTORCYCLE		TRUCK & BUS		TRACTOR IMPLEMENT		INDUSTRIAL/ UTILITY	
		SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN
1987									
	JANUARY	472	563	1,150	1,009	174	165	184	98
	FEBRUARY	487	462	1,106	952	194	162	158	123
	MARCH	521	450	1,184	1,028	215	174	152	139
	APRIL	465	398	1,173	965	271	210	172	92
	MAY	456	390	1,144	929	229	220	154	118
	JUNE	559	466	1,403	993	283	254	198	119
	PREV YTD	2,960	2,729	7,159	5,876	1,366	1,185	1,018	690
	JULY	403	311	1,094	736	191	164	146	98
	AUGUST	470	600	1,112	1,207	239	364	166	130
	SEPTEMBER	600	529	1,364	1,041	295	270	172	112
	OCTOBER	589	463	1,380	929	238	216	165	115
	NOVEMBER	429	300	1,138	746	200	139	110	97
	DECEMBER	437	314	1,072	778	189	134	112	94
	PREV TOT	5,889	5,250	14,320	11,313	2,718	2,472	1,889	1,336
1988									
	JANUARY	443	324	1,105	825	213	187	212	111
	FEBRUARY	481	390	1,063	1,027	242	230	154	151
	MARCH	548	562	1,186	1,058	257	266	178	136
	APRIL	402	477	1,110	837	266	259	179	129
	MAY	519	381	1,107	854	262	262	173	149
	JUNE	470	274	1,098	764	279	228	195	145
	CURR YTD	2,863	2,407	6,668	5,365	1,518	1,431	1,092	820
	JULY								
	AUGUST								
	SEPTEMBER								
	OCTOBER								
	NOVEMBER								
	DECEMBER								
	PREV MTH	-9.5	-28.2	-0.8	-10.6	6.7	-12.9	13.0	-2.4
	PREV/CURR	-16.0	-41.3	-21.7	-23.1	-1.3	-10.4	-1.4	21.8
	YTD CHG	-3.3	-11.8	-6.9	-8.7	11.2	20.8	7.2	18.9

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES			
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025	772.5900
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes	Farm Tubes
1987													
January	2,625	247	106	56	298	168	187	2	28	301	140	328	29
February	2,440	320	146	121	323	152	169	6	35	416	137	413	70
March	3,345	334	161	107	424	173	166	2	43	292	155	441	45
April	2,961	318	167	112	352	167	143	3	50	285	136	422	32
May	3,095	385	169	76	339	159	160	6	52	364	169	388	34
June	3,345	317	141	89	395	192	168	3	81	253	153	407	71
CUMULATIVE	17,811	1,921	890	561	2,131	1,011	993	23	289	1,910	890	2,398	282
July	3,266	290	134	53	433	123	105	2	49	255	157	439	48
August	2,793	265	105	64	387	148	124	2	87	545	144	415	78
September	2,734	236	100	50	358	146	84	2	71	284	93	455	22
October	2,866	243	117	41	346	125	120	3	51	461	122	406	59
November	2,816	197	138	49	347	138	131	2	49	432	123	428	52
December	2,956	178	195	41	389	127	150	2	95	459	187	397	130
ANNUAL	35,242	3,331	1,679	860	4,391	1,817	1,707	37	691	4,346	1,716	4,939	671
1988													
January	2,653	154	129	51	320	138	195	3	80	415	177	428	64
February	2,923	180	125	53	369	117	122	2	79	469	169	483	101
March	3,151	185	168	55	398	188	170	2	181	547	253	491	84
April	3,059	183	159	56	348	128	202	2	70	456	139	616	80
May	2,907	194	159	51	354	115	201	3	127	474	115	445	88
June	3,346	203	146	65	399	158	121	3	99	451	160	446	83
CUMULATIVE	18,038	1,098	887	331	2,188	843	1,011	15	637	2,813	1,013	2,909	501
July													
August													
September													
October													
November													
December													
% Change Month	15.1	4.6	-8.2	27.5	12.7	37.4	-39.8	.0	-22.0	-4.9	39.1	.2	-5.7
% Change Month 88 vs. 87	.0	-36.0	3.5	-27.0	1.0	-17.7	-28.0	.0	22.2	78.3	4.6	9.6	16.9
% Change Cumulative	1.3	-42.8	-.3	-41.0	2.7	-16.6	1.8	-34.8	120.4	47.3	13.8	21.3	77.7

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those develop Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenge tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from fa site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tracto category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

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RMA Industry Report

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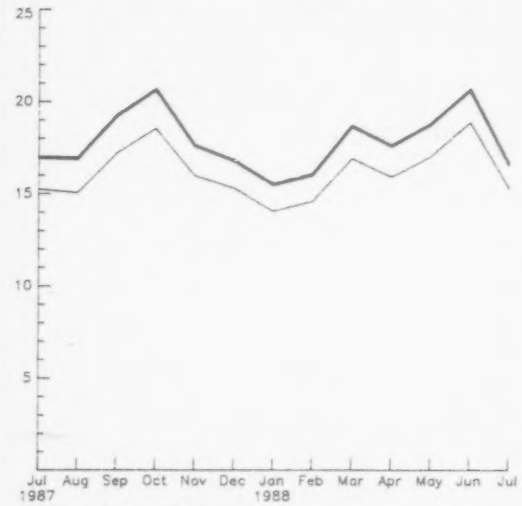
10/3/88

RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

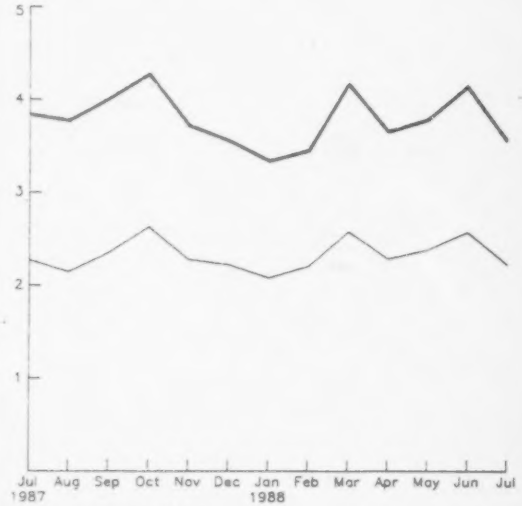
MONTHLY TIRE REPORT — JULY 1988

This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies. Figures presented represent 100% of the domestic U.S. tire market.

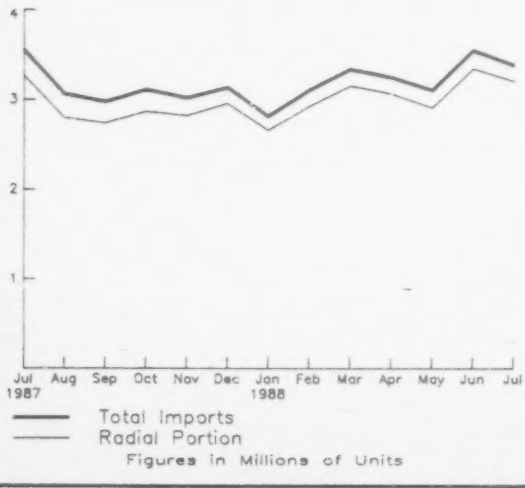
PASSENGER TIRE SHIPMENTS



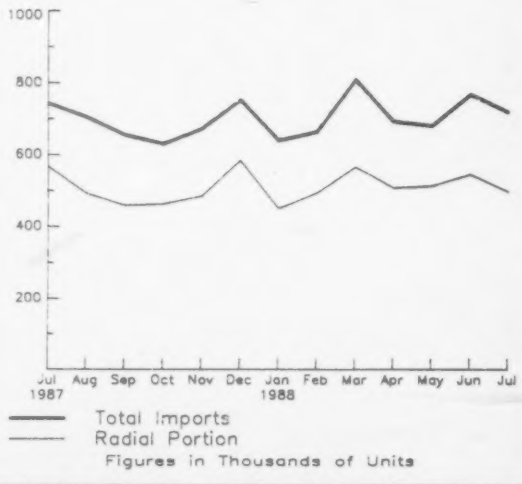
TRUCK & BUS TIRE SHIPMENTS



PASSENGER TIRE IMPORTS



TRUCK & BUS TIRE IMPORTS



Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for thirteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. July 1988 total shipments are down 3% from July 1987 for passenger tires and down 7% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1987, passenger tire imports increased 127.7%, and truck and bus tire imports grew by 137.3%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 09/18/88

PASSENGER TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	4,838	4,081	10,494	9,327	369	316	15,701	13,724	13,940	12,074	29,387	25,778
	FEBRUARY	4,889	4,138	10,001	8,825	498	423	15,388	13,386	13,896	12,047	31,237	27,432
	MARCH	5,321	4,520	11,470	10,173	418	367	17,209	15,060	14,779	12,761	32,761	28,803
	APRIL	4,699	3,956	12,195	10,789	427	380	17,321	15,125	13,911	12,091	32,173	28,398
	MAY	4,687	3,955	12,218	10,871	470	406	17,375	15,232	13,484	11,861	32,556	28,834
	JUNE	4,472	3,800	14,703	13,242	533	454	19,707	17,496	13,709	12,049	30,503	27,036
	JULY	2,987	2,572	13,483	12,206	507	446	16,977	15,224	13,011	11,556	30,256	26,777
	PREV YTD	31,893	27,022	84,562	75,433	3,222	2,792	119,677	105,247	96,729	84,439	30,256	26,777
	AUGUST	3,709	3,168	12,701	11,427	481	434	16,891	15,030	13,877	12,466	30,477	27,175
	SEPTEMBER	4,328	3,698	14,339	13,019	541	477	19,209	17,193	14,017	12,497	29,217	26,164
	OCTOBER	5,038	4,267	15,045	13,771	570	502	20,654	18,540	15,605	14,008	27,665	24,882
	NOVEMBER	4,348	3,746	12,682	11,735	556	474	17,586	15,956	13,678	12,285	26,996	24,246
	DECEMBER	3,597	3,086	12,563	11,663	618	536	16,777	15,285	13,615	12,131	27,432	24,507
	PREV TOT	52,913	44,988	151,892	137,048	5,987	5,215	210,792	187,251	167,522	147,825	27,432	24,507
1988	JANUARY	4,040	3,428	10,648	9,920	775	672	15,463	14,019	14,386	12,994	29,893	26,835
	FEBRUARY	4,335	3,700	10,789	10,082	896	802	16,021	14,584	14,893	13,427	32,239	28,982
	MARCH	4,937	4,209	12,746	11,857	954	834	18,637	16,900	15,872	14,311	33,008	29,747
	APRIL	4,823	4,096	11,925	11,105	801	671	17,549	15,872	14,618	13,198	33,420	30,277
	MAY	5,197	4,415	12,862	11,983	695	621	18,754	17,019	14,438	13,086	32,514	29,515
	JUNE	4,940	4,244	14,961	13,966	719	635	20,619	18,845	14,883	13,581	30,617	27,877
	JULY	2,965	2,507	12,978	12,172	602	554	16,544	15,233	12,492	11,613	30,258	27,777
	CURR YTD	31,237	26,600	86,909	81,084	5,441	4,788	123,587	112,471	101,583	92,211	30,258	27,777
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-40.0	-40.9	-13.3	-12.8	-16.3	-12.7	-19.8	-19.2	-16.1	-14.5	-1.2	-0.4
	PREV/CURR	-0.7	-2.5	-3.7	-0.3	18.6	24.2	-2.6	0.1	-4.0	0.5		3.7
	YTD CHG	-2.1	-1.6	2.8	7.5	68.9	71.5	3.3	6.9	5.0	9.2	1.4	4.1

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 09/18/88

TRUCK AND BUS TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	643	453	2,387	1,242	121	86	3,151	1,781	2,939	1,604	6,936	3,996
	FEBRUARY	604	428	2,414	1,234	159	112	3,177	1,774	2,697	1,418	7,428	4,327
	MARCH	698	491	2,665	1,398	167	118	3,530	2,007	2,954	1,577	7,912	4,614
	APRIL	709	496	2,829	1,512	163	109	3,701	2,117	2,769	1,521	7,789	4,583
	MAY	713	501	2,731	1,463	162	111	3,606	2,076	3,498	2,304	7,756	4,603
	JUNE	673	450	3,281	1,772	168	124	4,122	2,346	2,839	1,607	7,369	4,449
	JULY	618	420	3,048	1,733	169	117	3,834	2,269	2,785	1,559	7,088	4,311
	PREV YTD	4,658	3,237	19,354	10,354	1,109	779	25,121	14,370	20,480	11,590	7,088	4,311
	AUGUST	607	419	2,981	1,591	176	130	3,765	2,140	2,846	1,612	7,024	4,385
	SEPTEMBER	641	444	3,178	1,767	190	141	4,009	2,351	3,187	1,826	7,017	4,437
	OCTOBER	740	521	3,322	1,955	211	152	4,272	2,628	3,351	1,897	6,874	4,270
	NOVEMBER	618	448	2,902	1,684	192	140	3,712	2,273	2,777	1,608	6,706	4,149
	DECEMBER	580	425	2,778	1,649	191	142	3,549	2,216	2,813	1,642	6,906	4,314
	PREV TOT	7,845	5,495	34,514	19,000	2,069	1,483	44,428	25,977	35,455	20,176	6,906	4,314
1988	JANUARY	673	485	2,413	1,400	246	189	3,332	2,075	2,959	1,770	7,154	4,412
	FEBRUARY	730	538	2,454	1,468	267	200	3,451	2,206	3,134	1,879	7,665	4,699
	MARCH	822	609	2,994	1,677	355	294	4,171	2,580	3,433	2,060	7,729	4,719
	APRIL	783	575	2,576	1,476	292	228	3,651	2,280	3,024	1,875	7,729	4,784
	MAY	813	597	2,697	1,576	275	211	3,785	2,385	2,965	1,827	7,645	4,781
	JUNE	778	573	3,094	1,786	273	214	4,145	2,573	3,058	1,865	7,359	4,645
	JULY	561	406	2,805	1,667	191	149	3,557	2,222	2,530	1,599	7,097	4,542
	CURR YTD	5,160	3,784	19,033	11,049	1,899	1,486	26,092	16,320	21,102	12,875	7,097	4,542
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-27.9	-29.2	-9.3	-6.7	-30.3	-30.4	-14.2	-13.7	-17.3	-14.3	-3.6	-2.2
	PREV/CURR	-9.3	-3.3	-8.0	-3.8	13.1	27.6	-7.2	-2.1	-9.1	2.6	0.1	5.4
	YTD CHG	10.8	16.9	-1.7	6.7	71.2	90.9	3.9	13.6	3.0	11.1	0.2	5.5

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 09/18/88

MOBILE HOME TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	34		6				40		44		81	
	FEBRUARY	33		3				36		37		78	
	MARCH	61		15				76		35		58	
	APRIL	66		9				74		51		40	
	MAY	76		8				84		74		40	
	JUNE	72		7				79		77		42	
	JULY	72		19				91		82		54	
	PREV YTD	414		67				481		400		54	
	AUGUST	62		10				72		76		66	
	SEPTEMBER	72		7				79		67		53	
	OCTOBER	77		7				84		83		87	
	NOVEMBER	57		11				68		62		92	
	DECEMBER	39		5				45		47		95	
	PREV TOT	722		107				829		735		95	
1988	JANUARY	39		8				47		39		89	
	FEBRUARY	38		5				44		44		88	
	MARCH	64						64		62		92	
	APRIL	65		5				70		74		106	
	MAY	86						86		63		90	
	JUNE	84						84		68		86	
	JULY	73						74		62		81	
	CURR YTD	449		19				467		412		81	
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-12.3		42.5				-12.2		-9.1		-5.0	
	PREV/CURR	1.8		-99.1				-19.5		-24.4		51.7	
	YTD CHG	8.3		-72.0		-67.4		-2.8		3.1		60.9	

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 09/18/88

TRACTOR IMPLEMENT TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	41	1	202	8	18	1	261	10	253	7	732	32
	FEBRUARY	46	3	223	8	18	1	287	12	246	8	706	29
	MARCH	46	2	220	9	24	1	291	12	267	10	701	27
	APRIL	51	3	261	8	20	1	332	12	262	10	645	26
	MAY	42	2	226	5	15	1	283	8	248	11	630	29
	JUNE	51	4	237	3	19	2	307	9	245	10	590	30
	JULY	55	4	235	2	14	1	304	7	234	8	540	31
	PREV YTD	332	20	1,605	43	127	7	2,064	70	1,754	63	540	31
	AUGUST	51	3	224	4	15		289	7	237	6	528	30
	SEPTEMBER	57	3	247	6	19	1	322	10	264	8	509	27
	OCTOBER	58	4	211	6	18	1	287	11	296	8	553	24
	NOVEMBER	48	2	186	6	23	1	257	10	249	7	599	21
	DECEMBER	50	3	185	8	25	1	260	12	255	9	640	18
	PREV TOT	595	34	2,658	73	226	11	3,480	119	3,054	101	640	18
1988	JANUARY	58	5	215	7	30	1	303	14	275	10	696	15
	FEBRUARY	51	3	253	10	26	1	330	14	271	13	669	15
	MARCH	66	6	286	12	28	1	380	19	315	15	646	12
	APRIL	59	6	261	7	22	1	342	15	305	14	649	12
	MAY	63	7	221	6	20	1	304	14	259	12	644	11
	JUNE	58	6	215	4	17	1	290	12	274	14	660	14
	JULY	53	6	212	4	18	1	284	11	224	11	629	15
	CURR YTD	408	39	1,663	51	161	8	2,232	97	1,921	90	629	15
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-8.6	0.2	-1.0	-11.6	8.9	23.8	-2.0	-2.0	-18.0	-18.3	-4.7	5.0
	PREV/CURR	-3.5	68.7	-9.7	60.5	31.7	9.8	-6.7	55.7	-4.0	49.9	16.5	-52.8
	YTD CHG	23.2	97.1	3.6	16.7	26.8	22.6	8.2	40.0	9.5	42.0	1.1	-53.8

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 09/18/88

INDUSTRIAL AND UTILITY TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	736	1	215	1	17		967	2	725	3	2,079	29
	FEBRUARY	715	1	175	2	15		905	3	768	5	1,998	30
	MARCH	740	1	179	2	25		944	2	829		1,911	28
	APRIL	758	1	185	3	24		966	4	768		1,724	17
	MAY	694	1	188	1	19		901	2	755	1	1,615	16
	JUNE	605		186	2	24	1	815	3	742	1	1,530	15
	JULY	337		125	2	25		488	3	517		1,524	15
	PREV YTD	4,586	4	1,252	13	149	1	5,987	19	5,104	11	1,524	15
	AUGUST	457		186	2	17		660	2	776		1,545	15
	SEPTEMBER	611		164	2	25		800	2	809		1,499	15
	OCTOBER	553		240	2	18		811	2	952		1,609	14
	NOVEMBER	498		183	1	15		696	1	793		1,651	14
	DECEMBER	455		163	2	25		643	2	766	1	1,761	16
	PREV TOT	7,160	4	2,189	22	249	2	9,598	29	9,202	12	1,761	16
1988	JANUARY	569		222	2	20		810	3	725	1	1,635	16
	FEBRUARY	583		212	2	20		814	2	762		1,539	15
	MARCH	666		173	2	36		874	2	816		1,417	14
	APRIL	599		156	1	20		775	2	703	1	1,574	6
	MAY	560		160	2	18		738	2	785	1	865	5
	JUNE	361		191	2	22		574	2	780		1,051	5
	JULY	222		116	1	25		364	1	429		1,101	5
	CURR YTD	3,559	1	1,230	11	160	1	4,949	14	5,000	3	1,101	5
	AUGUST												
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	-38.4	1042.9	-39.1	-17.4	14.1	-28.6	-36.6	-8.2	-45.0	-100.0	4.7	-3.3
	PREV/CURR	-34.1	742.1	-7.1	-46.3	-0.4	-89.9	-25.5	-46.4	-16.9	-100.0	-27.8	-69.3
	YTD CHG	-22.4	-68.1	-1.8	-17.6	7.9	-16.1	-17.3	-28.0	-2.0	-68.8	-25.9	-56.1

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 09/18/88

INNER TUBES

		PASSENGER/ MOTORCYCLE		TRUCK & BUS		TRACTOR IMPLEMENT		INDUSTRIAL/ UTILITY	
		SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN
1987	JANUARY	472	563	1,150	1,009	174	165	184	98
	FEBRUARY	487	462	1,106	952	194	162	158	123
	MARCH	521	450	1,184	1,028	215	174	152	139
	APRIL	465	398	1,173	965	271	210	172	92
	MAY	456	390	1,144	929	229	220	154	118
	JUNE	559	466	1,403	993	283	254	198	119
	JULY	403	311	1,094	736	191	164	146	98
	PREV YTD	3,363	3,040	8,253	6,612	1,557	1,349	1,164	788
	AUGUST	470	600	1,112	1,207	239	364	166	130
	SEPTEMBER	600	529	1,364	1,041	295	270	172	112
	OCTOBER	589	468	1,380	929	238	216	165	115
	NOVEMBER	429	300	1,138	746	200	139	110	97
	DECEMBER	437	314	1,072	778	189	134	112	94
	PREV TOT	5,889	5,250	14,320	11,313	2,718	2,472	1,889	1,336
1988	JANUARY	443	324	1,105	825	213	187	212	111
	FEBRUARY	481	390	1,063	1,027	242	230	154	151
	MARCH	548	562	1,186	1,058	257	266	178	136
	APRIL	402	477	1,110	837	266	259	179	129
	MAY	519	381	1,107	854	262	262	173	149
	JUNE	470	274	1,098	764	279	228	195	145
	JULY	468	349	1,146	758	261	167	135	138
	CURR YTD	3,331	2,756	7,815	6,123	1,779	1,598	1,227	958
	AUGUST								
	SEPTEMBER								
	OCTOBER								
	NOVEMBER								
	DECEMBER								
	PREV MTH	-0.4	27.6	4.4	-0.8	-6.7	-26.6	-30.9	-5.3
	PREV/CURR	16.2	12.5	4.7	3.0	36.4	2.2	-7.7	40.6
	YTD CHG	-1.0	-9.3	-5.3	-7.4	14.3	18.5	5.4	21.6

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES			
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025	772.5900
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes	Farm Tubes
1987													
January	2,625	247	106	56	298	168	187	2	28	301	140	328	29
February	2,440	320	146	121	323	152	169	6	35	416	137	413	70
March	3,345	334	161	107	424	173	166	2	43	292	155	441	45
April	2,961	318	167	112	352	167	143	3	50	285	136	422	32
May	3,095	385	169	76	339	159	160	6	52	364	169	388	34
June	3,345	317	141	89	395	192	168	3	81	253	153	407	71
July	3,266	290	134	53	433	123	105	2	49	255	157	439	48
CUMULATIVE	21,077	2,211	1,024	614	2,564	1,134	1,098	26	338	2,165	1,047	2,837	330
August	2,793	265	105	64	387	148	124	2	87	545	144	415	78
September	2,734	236	100	50	358	146	84	2	71	284	93	455	22
October	2,866	243	117	41	346	125	120	3	51	461	122	406	59
November	2,816	197	138	49	347	138	131	2	49	432	123	428	52
December	2,956	178	195	41	389	127	150	2	95	459	187	397	130
ANNUAL	35,242	3,331	1,679	860	4,391	1,817	1,707	37	691	4,346	1,716	4,939	671
1988													
January	2,653	154	129	51	320	138	195	3	80	415	177	428	64
February	2,923	180	125	53	369	117	122	2	79	469	169	483	101
March	3,151	185	168	55	398	188	170	2	181	547	253	491	84
April	3,059	183	159	56	348	128	202	2	70	456	139	616	80
May	2,907	194	159	51	354	115	201	3	127	474	115	445	88
June	3,346	203	146	65	399	158	121	3	99	451	160	446	83
July	3,202	178	128	58	368	163	186	3	37	287	305	462	40
CUMULATIVE	21,240	1,277	1,015	388	2,556	1,006	1,197	18	674	3,100	1,317	3,370	541
August													
September													
October													
November													
December													
% Change Month	-4.3	-12.3	-12.3	-10.8	-7.8	3.2	53.7	.0	-62.6	-36.4	90.6	3.6	-51.8
% Change Month 88 vs. 87	-2.0	-38.6	-4.5	9.4	-15.0	32.5	77.1	50.0	-24.5	12.5	94.3	5.2	-16.7
% Change Cumulative	.8	-42.2	-.9	-36.8	-.3	-11.3	9.0	-30.8	99.4	43.2	25.8	18.8	63.9

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those develop Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenge tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from fa site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tracto category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

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Telephone: (202) 682-4860.

RMA Industry Report

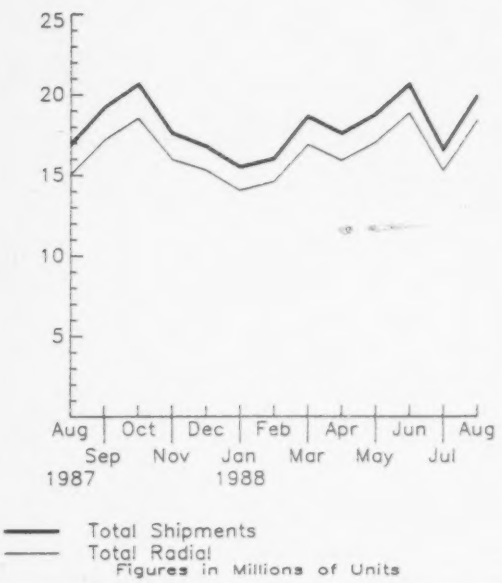
A8810-1
10/24/88

RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

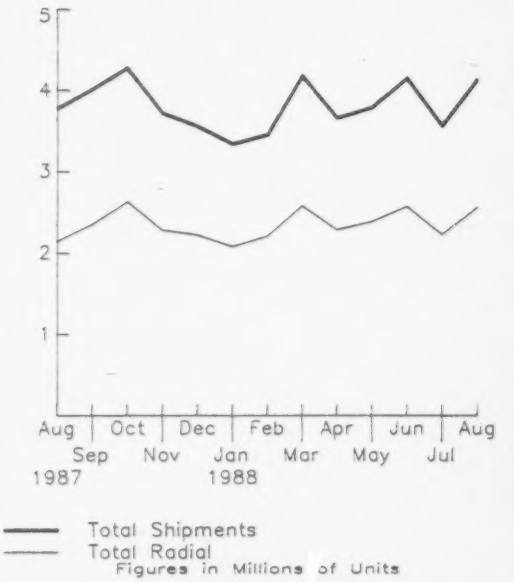
MONTHLY TIRE REPORT — AUGUST 1988

This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies. Figures presented represent 100% of the domestic U.S. tire market.

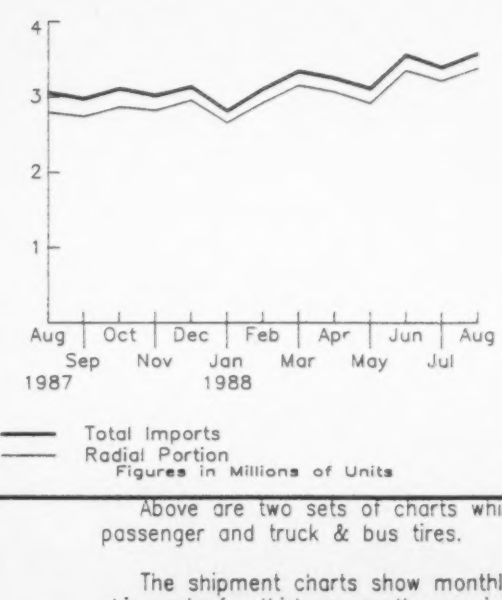
PASSENGER TIRE SHIPMENTS



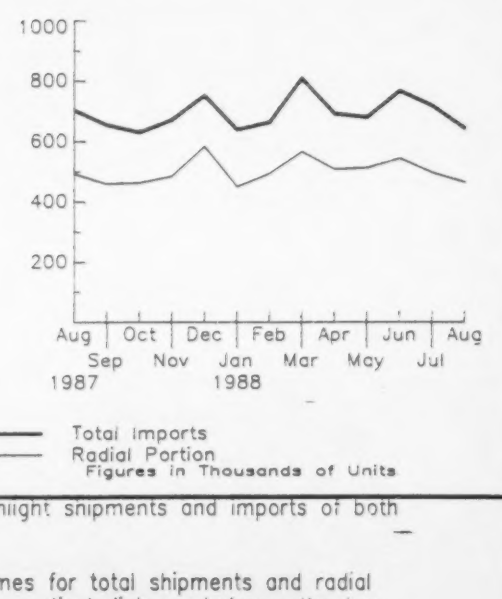
TRUCK & BUS TIRE SHIPMENTS



PASSENGER TIRE IMPORTS



TRUCK & BUS TIRE IMPORTS



Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for thirteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. August 1988 total shipments are up 17% from August 1987 for passenger tires and up 10% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1987, passenger tire imports increased 127.7%, and truck and bus tire imports grew by 137.3%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 10/16/88

PASSENGER TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	4,838	4,081	10,494	9,327	369	316	15,701	13,724	13,940	12,074	29,387	25,778
	FEBRUARY	4,889	4,138	10,001	8,825	498	423	15,388	13,386	13,896	12,047	31,237	27,432
	MARCH	5,321	4,520	11,470	10,173	418	367	17,209	15,060	14,779	12,761	32,761	28,803
	APRIL	4,699	3,956	12,195	10,789	427	380	17,321	15,125	13,911	12,091	32,173	28,398
	MAY	4,687	3,955	12,218	10,871	470	406	17,375	15,232	13,484	11,861	32,556	28,834
	JUNE	4,472	3,800	14,703	13,242	533	454	19,707	17,496	13,709	12,049	30,503	27,036
	JULY	2,987	2,572	13,483	12,206	507	446	16,977	15,224	13,011	11,556	30,256	26,777
	AUGUST	3,709	3,168	12,701	11,427	481	434	16,891	15,030	13,877	12,466	30,477	27,175
	PREV YTD	35,602	30,191	97,263	86,860	3,703	3,226	136,568	120,277	110,607	96,905	30,477	27,175
	SEPTEMBER	4,328	3,698	14,339	13,019	541	477	19,209	17,193	14,017	12,497	29,217	26,164
	OCTOBER	5,038	4,267	15,045	13,771	570	502	20,654	18,540	15,605	14,008	27,665	24,882
	NOVEMBER	4,348	3,746	12,682	11,735	556	474	17,586	15,956	13,678	12,285	26,996	24,246
	DECEMBER	3,597	3,086	12,563	11,663	618	536	16,777	15,285	13,615	12,131	27,432	24,507
	PREV TOT	52,913	44,988	151,892	137,048	5,987	5,215	210,792	187,251	167,522	147,825	27,432	24,507
1988	JANUARY	4,040	3,428	10,648	9,920	775	672	15,463	14,019	14,386	12,994	29,893	26,835
	FEBRUARY	4,335	3,700	10,789	10,082	896	802	16,021	14,584	14,893	13,427	32,239	28,982
	MARCH	4,937	4,209	12,746	11,857	954	834	18,637	16,900	15,872	14,311	33,008	29,747
	APRIL	4,823	4,096	11,925	11,105	801	671	17,549	15,872	14,618	13,198	33,420	30,277
	MAY	5,197	4,415	12,862	11,983	695	621	18,754	17,019	14,438	13,086	32,514	29,515
	JUNE	4,940	4,244	14,961	13,966	719	635	20,619	18,845	14,883	13,581	30,617	27,877
	JULY	2,965	2,507	12,978	12,172	602	554	16,544	15,233	12,492	11,613	30,258	27,777
	AUGUST	4,126	3,531	14,888	14,036	858	785	19,872	18,352	14,860	13,627	29,198	26,820
	CURR YTD	35,363	30,131	101,797	95,120	6,300	5,572	143,459	130,823	116,442	105,838	29,198	26,820
	SEPTEMBER OCTOBER NOVEMBER DECEMBER												
	PREV MTH	39.2	40.8	14.7	15.3	42.7	41.7	20.1	20.5	18.9	17.3	-3.5	-3.4
	PREV/CURR	11.2	11.5	17.2	22.8	78.4	80.8	17.6	22.1	7.1	9.3	-4.2	-1.3
	YTD CHG	-0.7	-0.2	4.7	9.5	70.1	72.7	5.0	8.8	5.3	9.2	0.7	3.5

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 10/16/88

TRUCK AND BUS TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	643	453	2,387	1,242	121	86	3,151	1,781	2,939	1,604	6,936	3,996
	FEBRUARY	604	428	2,414	1,234	159	112	3,177	1,774	2,697	1,418	7,428	4,327
	MARCH	698	491	2,665	1,398	167	118	3,530	2,007	2,954	1,577	7,912	4,614
	APRIL	709	496	2,829	1,512	163	109	3,701	2,117	2,769	1,521	7,789	4,583
	MAY	713	501	2,731	1,463	162	111	3,606	2,076	3,498	2,304	7,756	4,603
	JUNE	673	450	3,281	1,772	168	124	4,122	2,346	2,839	1,607	7,369	4,449
	JULY	618	420	3,048	1,733	169	117	3,834	2,269	2,785	1,559	7,088	4,311
	AUGUST	607	419	2,981	1,591	176	130	3,765	2,140	2,846	1,612	7,024	4,385
	PREV YTD	5,265	3,656	22,335	11,945	1,285	909	28,886	16,510	23,326	13,202	7,024	4,385
	SEPTEMBER	641	444	3,178	1,767	190	141	4,009	2,351	3,187	1,826	7,017	4,437
	OCTOBER	740	521	3,322	1,955	211	152	4,272	2,628	3,351	1,897	6,874	4,270
	NOVEMBER	618	448	2,902	1,684	192	140	3,712	2,273	2,777	1,608	6,706	4,149
	DECEMBER	580	425	2,778	1,649	191	142	3,549	2,216	2,813	1,642	6,906	4,314
	PREV TOT	7,845	5,495	34,514	19,000	2,069	1,483	44,428	25,977	35,455	20,176	6,906	4,314
1988	JANUARY	673	485	2,413	1,400	246	189	3,332	2,075	2,959	1,770	7,154	4,412
	FEBRUARY	730	538	2,454	1,468	267	200	3,451	2,206	3,134	1,879	7,665	4,699
	MARCH	822	609	2,994	1,677	355	294	4,171	2,580	3,433	2,060	7,729	4,719
	APRIL	783	575	2,576	1,476	292	228	3,651	2,280	3,024	1,875	7,729	4,784
	MAY	813	597	2,697	1,576	275	211	3,785	2,385	2,965	1,827	7,645	4,781
	JUNE	778	573	3,094	1,786	273	214	4,145	2,573	3,058	1,865	7,359	4,645
	JULY	561	406	2,805	1,667	191	149	3,557	2,222	2,530	1,599	7,097	4,542
	AUGUST	718	509	3,154	1,866	258	186	4,130	2,560	3,198	2,003	6,866	4,481
	CURR YTD	5,879	4,293	22,187	12,915	2,157	1,672	30,222	18,880	24,300	14,877	6,866	4,481
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	28.1	25.3	12.4	12.0	35.1	24.6	16.1	15.3	26.4	25.3	-3.3	-1.3
	PREV/CURR	18.3	21.3	5.8	17.3	46.1	42.8	9.7	19.7	12.4	24.3	-2.2	2.2
	YTD CHG	11.6	17.4	-0.7	8.1	67.8	84.0	4.6	14.4	4.2	12.7	-0.1	5.1

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 10/16/88

MOBILE HOME TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
	JANUARY	34		6				40		44		81	
1987	FEBRUARY	33		3				36		37		78	
	MARCH	61		15				76		35		58	
	APRIL	66		9				74		51		40	
	MAY	76		8				84		74		40	
	JUNE	72		7				79		77		42	
	JULY	72		19				91		82		54	
	AUGUST	62		10				72		76		66	
	PREV YTD	477		77				553		476		66	
	SEPTEMBER	72		7				79		67		53	
	OCTOBER	77		7				84		83		87	
	NOVEMBER	57		11				68		62		92	
	DECEMBER	39		5				45		47		95	
	PREV TOT	722		107				829		735		95	
	JANUARY	39		8				47		39		89	
1988	FEBRUARY	38		5				44		44		88	
	MARCH	64						64		62		92	
	APRIL	65		5				70		74		106	
	MAY	86						86		63		90	
	JUNE	84						84		68		86	
	JULY	73						74		62		81	
	AUGUST	107						107		85		73	
	CURR YTD	556		19				575		497		73	
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	46.2		-1.1				46.1		36.5		-10.3	
	PREV/CURR	72.2		-98.2				48.3		11.2		11.1	
	YTD CHG	16.7		-75.5		-67.4		3.9		4.4		53.8	

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 10/16/88

TRACTOR IMPLEMENT TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
	JANUARY	41	1	202	8	18	1	261	10	253	7	732	32
1987	FEBRUARY	46	3	223	8	18	1	287	12	246	8	706	29
	MARCH	46	2	220	9	24	1	291	12	267	10	701	27
	APRIL	51	3	261	8	20	1	332	12	262	10	645	26
	MAY	42	2	226	5	15	1	283	8	248	11	630	29
	JUNE	51	4	237	3	19	2	307	9	245	10	590	30
	JULY	55	4	235	2	14	1	304	7	234	8	540	31
	AUGUST	51	3	224	4	15		289	7	237	6	528	30
	PREV YTD	382	23	1,829	47	142	7	2,353	77	1,991	70	528	30
	SEPTEMBER	57	3	247	6	19	1	322	10	264	8	509	27
	OCTOBER	58	4	211	6	18	1	287	11	296	8	553	24
	NOVEMBER	48	2	186	6	23	1	257	10	249	7	599	21
	DECEMBER	50	3	185	8	25	1	260	12	255	9	640	18
	PREV TOT	595	34	2,658	73	226	11	3,480	119	3,054	101	640	18
	JANUARY	58	5	215	7	30	1	303	14	275	10	696	15
1988	FEBRUARY	51	3	253	10	26	1	330	14	271	13	669	15
	MARCH	66	6	286	12	28	1	380	19	315	15	646	12
	APRIL	59	6	261	7	22	1	342	15	305	14	649	12
	MAY	63	7	221	6	20	1	304	14	259	12	644	11
	JUNE	58	6	215	4	17	1	290	12	274	14	660	14
	JULY	53	6	212	4	18	1	284	11	224	11	629	15
	AUGUST	66	6	219	4	18	2	303	12	222	13	593	15
	CURR YTD	475	45	1,881	54	179	10	2,535	110	2,144	103	593	15
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	24.9	5.0	3.0	-8.2	-2.9	63.4	6.7	7.6	-0.8	14.2	-5.7	5.5
	PREV/CURR	31.2	98.5	-2.4	-2.1	19.8	366.0	4.6	65.8	-6.0	101.6	12.4	-48.5
	YTD CHG	24.2	97.3	2.8	15.2	26.1	46.3	7.7	42.5	7.7	47.5	2.3	-53.2

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 10/16/88

INDUSTRIAL AND UTILITY TIRES

		ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987	JANUARY	736	1	215	1	17		967	2	725	3	2,079	29
	FEBRUARY	715	1	175	2	15		905	3	768	5	1,998	30
	MARCH	740	1	179	2	25		944	2	829		1,911	28
	APRIL	758	1	185	3	24		966	4	768		1,724	17
	MAY	694	1	188	1	19		901	2	755	1	1,615	16
	JUNE	605		186	2	24	1	815	3	742	1	1,530	15
	JULY	337		125	2	25		488	3	517		1,524	15
	AUGUST	457		186	2	17		660	2	776		1,545	15
	PREV YTD	5,043	4	1,439	15	166	2	6,647	21	5,881	11	1,545	15
	SEPTEMBER	611		164	2	25		800	2	809		1,499	15
	OCTOBER	553		240	2	18		811	2	952		1,609	14
	NOVEMBER	498		183	1	15		696	1	793		1,651	14
	DECEMBER	455		163	2	25		643	2	766	1	1,761	16
	PREV TOT	7,160	4	2,189	22	249	2	9,598	29	9,202	12	1,761	16
1988	JANUARY	569		222	2	20		810	3	725	1	1,635	16
	FEBRUARY	583		212	2	20		814	2	762		1,539	15
	MARCH	666		173	2	36		874	2	816		1,417	14
	APRIL	599		156	1	20		775	2	703	1	1,574	6
	MAY	560		160	2	18		738	2	785	1	865	5
	JUNE	361		191	2	22		574	2	780		1,051	5
	JULY	222		116	1	25		364	1	429		1,101	5
	AUGUST	330		149	1	28		508	2	585		1,148	4
	CURR YTD	3,890	1	1,379	13	188	1	5,457	15	5,584	3	1,148	4
	SEPTEMBER												
	OCTOBER												
	NOVEMBER												
	DECEMBER												
	PREV MTH	48.6	-53.8	28.3	20.2	12.7	-5.7	39.7	11.3	36.2		4.3	-6.1
	PREV/CURR	-27.8	2.8	-19.7	-21.4	64.2	-79.9	-23.1	-25.1	-24.7	-100.0	-25.6	-71.4
	YTD CHG	-22.9	-66.8	-4.1	-18.1	13.7	-22.7	-17.9	-27.7	-5.0	-68.9	-25.8	-57.5

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 10/16/88

INNER TUBES

		PASSENGER/ MOTORCYCLE		TRUCK & BUS		TRACTOR IMPLEMENT		INDUSTRIAL/ UTILITY	
		SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN
	JANUARY	472	563	1,150	1,009	174	165	184	98
1987	FEBRUARY	487	462	1,106	952	194	162	158	123
	MARCH	521	450	1,184	1,028	215	174	152	139
	APRIL	465	398	1,173	965	271	210	172	92
	MAY	456	390	1,144	929	229	220	154	118
	JUNE	559	466	1,403	993	283	254	198	119
	JULY	403	311	1,094	736	191	164	146	98
	AUGUST	470	600	1,112	1,207	239	364	166	130
	PREV YTD	3,833	3,640	9,366	7,819	1,796	1,712	1,330	918
	SEPTEMBER	600	529	1,364	1,041	295	270	172	112
	OCTOBER	589	468	1,380	929	238	216	165	115
	NOVEMBER	429	300	1,138	746	200	139	110	97
	DECEMBER	437	314	1,072	778	189	134	112	94
	PREV TOT	5,889	5,250	14,320	11,313	2,718	2,472	1,889	1,336
	JANUARY	443	324	1,105	825	213	187	212	111
1988	FEBRUARY	481	390	1,063	1,027	242	230	154	151
	MARCH	548	562	1,186	1,058	257	266	178	136
	APRIL	402	477	1,110	837	266	259	179	129
	MAY	519	381	1,107	854	262	262	173	149
	JUNE	470	274	1,098	764	279	228	195	145
	JULY	468	349	1,146	758	261	167	135	138
	AUGUST	481	468	1,290	1,015	297	297	153	165
	CURR YTD	3,812	3,224	9,105	7,137	2,075	1,895	1,380	1,123
	SEPTEMBER								
	OCTOBER								
	NOVEMBER								
	DECEMBER								
	PREV MTH	2.8	33.9	12.6	33.9	13.8	77.7	13.7	19.7
	PREV/CURR	2.3	-22.0	16.0	-15.9	24.1	-18.4	-7.5	26.4
	YTD CHG	-0.6	-11.4	-2.8	-8.7	15.6	10.7	3.8	22.3

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES			
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025	772.5900
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes	Farm Tubes
1987													
January	2,625	247	106	56	298	168	187	2	28	301	140	328	29
February	2,440	320	146	121	323	152	169	6	35	416	137	413	70
March	3,345	334	161	107	424	173	166	2	43	292	155	441	45
April	2,961	318	167	112	352	167	143	3	50	285	136	422	32
May	3,095	385	169	76	339	159	160	6	52	364	169	388	34
June	3,345	317	141	89	395	192	168	3	81	253	153	407	71
July	3,266	290	134	53	433	123	105	2	49	255	157	439	48
August	2,793	265	105	64	387	148	124	2	87	545	144	415	78
CUMULATIVE	23,870	2,476	1,129	678	2,951	1,282	1,222	28	425	2,710	1,191	3,252	408
September	2,734	236	100	50	358	146	84	2	71	284	93	455	22
October	2,866	243	117	41	346	125	120	3	51	461	122	406	59
November	2,816	197	138	49	347	138	131	2	49	432	123	428	52
December	2,956	178	195	41	389	127	150	2	95	459	187	397	130
ANNUAL	35,242	3,331	1,679	860	4,391	1,817	1,707	37	691	4,346	1,716	4,939	671
1988													
January	2,653	154	129	51	320	138	195	3	80	415	177	428	64
February	2,923	180	125	53	369	117	122	2	79	469	169	483	101
March	3,151	185	168	55	398	188	170	2	181	547	253	491	84
April	3,059	183	159	56	348	128	202	2	70	456	139	616	80
May	2,907	194	159	51	354	115	201	3	127	474	115	445	88
June	3,346	203	146	65	399	158	121	3	99	451	160	446	83
July	3,202	178	128	58	368	163	186	3	37	287	305	462	40
August	3,371	196	150	58	314	120	130	3	50	227	379	494	59
CUMULATIVE	24,611	1,473	1,165	446	2,871	1,126	1,327	22	724	3,327	1,697	3,864	600
September													
October													
November													
December													
% Change Month	5.3	10.1	17.2	.0	-14.7	-26.4	-30.1	.0	35.1	-20.9	24.3	6.9	47.5
% Change Month 88 vs. 87	20.7	-26.0	42.9	-9.4	-18.9	-18.9	4.8	50.0	-42.5	-58.3	163.2	19.0	-24.4
% Change Cumulative	3.1	-40.5	3.2	-34.2	-2.7	-12.2	8.6	-21.4	70.4	22.8	42.5	18.8	47.1

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those develop Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenge tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from fa site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tracto category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

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